

Case ID	Suspect Product Names	Suspect Product	Active Ingredients	Reason for Use	Reactions	Serious Outcomes	Sex
Event Date	Latest FDA Received Date	Case Priority	Patient Age	Patient Weight	Sender Reporter Type	Report	
Source Date	Concomitant Product Names	Latest Manufacturer Received	Initial FDA Received Date	Country where Event occurred	Reported to Manufacturer?	Manufacturer Control Number	
	Literature Reference	Compounded Flag					
26008750	Contrave	Bupropion Hydrochloride\Naltrexone Hydrochloride;Herbals\Mitragynine	Product Used For Unknown	Indication;Supplementation Therapy	Withdrawal		
	Syndrome;Contraindicated Product Administered;Labelled Drug-Drug Interaction Issue;Illness	Non-Serious	Non-Serious	Not Specified	Not Specified	Not Specified	Not Specified
	Not Specified	Currax Pharmaceuticals	Consumer	Not Specified	Not Specified	Not Specified	Not Specified
Specified	09-DEC-2024	06-NOV-2025	US	Not Specified	Not Specified	Not Specified	Not Specified
Specified	US-CURRAX PHARMACEUTICALS LLC-US-2024CUR005153						
25755184	Skyrizi;Humira;Rinvoq;Tylenol	Acetaminophen;Tramadol;Upadacitinib;Risankizumab-Rzaa;Adalimumab;Herbals\Mitragynine	Abdominal Pain	Upper;Anxiety;Crohn's Disease;Depression;Pain;Product Used For Unknown Indication	Faecal Calprotectin Increased;Drug Ineffective;Drug Dependence;Proctalgia;Rectal Discharge;Depression;Anal Fistula;Suicidal Ideation;Abscess;Illness;Inflammatory Marker Increased;Anxiety;Feeling Of Despair;Hospitalisation;Pain;Fistula;Fistula Discharge;Hypersomnia;Mental Disorder;Crohn's Disease	Serious Other	
	Outcomes;Hospitalized	Male	NOV-2023	05-NOV-2025			
Expedited	22 YR	79.378 KG	Abbvie	Consumer	Not Specified	Not Specified	Not Specified
Specified	Bentyl;Zoloft;Gabapentin;Amjevita;Wellbutrin;Imodium						
	27-OCT-2025	03-SEP-2025	US	Not Specified	US-		
ABBVIE-6443000							
25979240		Herbals\Mitragynine	Supplementation	Therapy Death	Serious	Died	Male
	Direct	45 YR	87.75 KG	Fda-Ctu	Consumer	Not Specified	Not Specified
Specified				29-OCT-2025	Not Specified	Not Specified	Not Specified
Specified							
25974042		Herbals\Mitragynine	Disturbance In	Attention	Adverse Event	Serious Life Threatening	Female
	12-OCT-2025	28-OCT-2025	Direct	29 YR	76.5 KG	Fda-	
Ctu	Consumer	Not Specified	-	-	28-OCT-2025		
	Not Specified	Not Specified	-	-	Yes		
25956875		Herbals\Mitragynine	-	Overdose			
	Serious	Died;Required Intervention;Life Threatening	Male				
	03-AUG-2025	23-OCT-2025	Direct	32 YR	63 KG	Fda-	
Ctu	Consumer	Not Specified	-	-	23-OCT-2025		
	Not Specified	Not Specified	-	-	-		
25952897		Herbals\Mitragynine	Drug Dependence	Physical Product Label Issue;Anxiety;Mood Altered;Product Use In			

Unapproved Indication;Drug Dependence;Substance Use;Withdrawal Syndrome	Serious	Required Intervention;Hospitalized;Life Threatening	Male	23-OCT-2025	23-OCT-2025	Direct	33 YR
72 KG	Fda-Ctu	Consumer	Not Specified	-	-	-	-
23-OCT-2025	Not Specified	Y	-	-	-	-	-
25938723	Alcohol (Alcohol);Librium;Flurazepam;Adderall	Oxycodone;Amphetamine Aspartate\Amphetamine Sulfate\Dextroamphetamine Saccharate\Dextroamphetamine Sulfate;Pregabalin;Flurazepam Hydrochloride;Dextromethorphan;Lorazepam;Chlordiazepoxide Hydrochloride;Alprazolam;Alcohol;Tianeptine;Clonazepam;Methamphetamine ;Lisdexamfetamine;4-Amino-3-Phenylbutyric Acid;Gabapentin;Herbals\Mitragynine;Methylphenidate	Product Used	For Unknown Indication	Drug Abuse;Hyperhidrosis;Anxiety;Withdrawal Syndrome;Myopia;Tremor;Drug Withdrawal Convulsions;Abdominal Tenderness;Pancreatitis	Acute	Serious Other Outcomes;Hospitalized
Male	-	19-OCT-2025	Expedited	3 DEC	Not Specified	-	-
Lupin	Healthcare Professional	Not Specified	-	-	-	-	-
06-OCT-2025	19-OCT-2025	US	Not Specified	US-	-	-	-
LUPIN PHARMACEUTICALS INC.-2025-09403	"Butler M, Pirkle J, Carmichael A, Carlson-Dexter P, Rosella T. Successful symptom-based management of active withdrawal from multiple illicit benzodiazepines. BMJ Case Reports. 2025;18 (8):1-3"	-	-	-	-	-	-
25934636	-	Herbals\Mitragynine	-	Pruritus;Nasal Congestion;Dyspnoea;Epistaxis;Accidental Exposure To Product;Throat Tightness;Product Residue Present;Cough;Pneumonia;Pharyngeal Swelling;Muscular Weakness;Tremor;Insomnia	Serious	-	-
Hospitalized;Disabled;Other Outcomes	Female	01-MAR-2025	16-OCT-2025	Direct	27 YR	108 KG	Fda-Ctu
Consumer	Not Specified	Y	-	-	-	-	-
25925322	-	Quetiapine;Herbals\Mitragynine	Product Used	For Unknown Indication	Neuroleptic Malignant Syndrome;Overdose;Accidental Death;Toxicity To Various Agents;Drug Interaction;Herbal Interaction	Serious	Died;Other Outcomes
Male	-	15-OCT-2025	Expedited	27 YR	Not Specified	-	-
Medicap Laboratories	Healthcare Professional	Not Specified	-	-	-	-	-
Valproic Acid	04-OCT-2025	15-OCT-2025	US	Not Specified	-	-	-
US-Medicap-000078	Hughes RL. Fatal combination of mitragynine and quetiapine - a case report with discussion of a potential herb-drug interaction. Forensic Sci Med Pathol. 2019 Mar 15(1):110-113. doi: 10.1007/s12024-018-0049-9.	-	-	-	-	-	-
25887222	-	Herbals\Mitragynine;Fentanyl;Oxycodone Hydrochloride	Product Used	For Unknown Indication	Homicide;Drug Diversion;Product Counterfeit	Non-Serious	Non-Serious
Male	-	-	-	-	-	-	-
FEB-2024	06-OCT-2025	Non-Expedited	30 YR	Not Specified	-	03-OCT-2025	06-OCT-2025
US	Not Specified	US-PURDUE	-	-	-	-	-
PHARMA-USA-2025-0321119	-	-	-	-	-	-	-
25886095	-	Oxycodone Hydrochloride;Fentanyl;Herbals\Mitragynine	Product Used	For	-	-	-

Unknown Indication	Drug Abuse;Drug Screen					
Positive;Overdose;Victim Of Homicide;Counterfeit	Product Administered					
Serious Other Outcomes;Died	Male	2024	06-OCT-2025			
Expedited	28 YR Not Specified	Purdue	Consumer			
Not Specified	-	03-OCT-2025	06-OCT-2025	US		
Not Specified	US-PURDUE PHARMA-USA-2025-0321120					
-						
25873438	Dulcolax (Bisacodyl);Suboxone	Buprenorphine				
Hydrochloride\Naloxone Hydrochloride;Herbals\Mitragynine;Bisacodyl						
Product Used For Unknown Indication	Insomnia;Rectal					
Haemorrhage;Asthenia;Haematochezia;Vomiting;Dizziness;Drug Effect Less Than Expected;Decreased Appetite;Constipation;Migraine	Non-Serious					
Non-Serious	Not Specified	-	03-OCT-2025	Non-		
Expedited	Not Specified	Not Specified	Reckitt Benckiser			
Healthcare Professional	Not Specified	-	19-JUL-2025			
02-OCT-2025	US	Not Specified	US-INDIVIOR	US-		
INDV-166579-2025	-	-				
25863951	-	Herbals\Mitragynine	Product Used For			
Unknown Indication	Hypoxia;Respiratory Failure;Liver Injury					
Serious Hospitalized;Life Threatening;Died	Male	28-				
SEP-2025	29-SEP-2025	Direct	55 YR	Not Specified	Fda-	
Ctu	Healthcare Professional	Not Specified	-	-	29-	
SEP-2025	Not Specified	Not Specified	-	-	-	
25847731	-	Herbals\Mitragynine	-			
Seizure;Toxicity To Various Agents	Serious	Died	Male	28-		
JUL-2025	24-SEP-2025	Direct	31 YR	126 KG	Fda-Ctu	
Consumer	Not Specified	-	-	24-SEP-2025	Not	
Specified	Not Specified	-	-	-		
25840946	-	Herbals\Mitragynine	-	Drug		
Dependence;Substance Use;Family Stress;Seizure;Withdrawal Syndrome						
Serious Other Outcomes	Male	-	23-SEP-2025	Direct		
36 YR	300 LB	Fda-Ctu	Not Specified	Not Specified	-	
-	23-SEP-2025	Not Specified	Not Specified	-		
-	-					
25836193	-	Herbals\Mitragynine;7-				
Hydroxymitragynine;Mitragynine Pseudoindoxyl	-	Unresponsive				
To Stimuli;Drug Abuse	Serious	Died	Female	24-JUL-2025	22-	
SEP-2025	Direct	46 YR	Not Specified	Fda-Ctu	Consumer	
Not Specified	-	-	22-SEP-2025	Not Specified		
Not Specified	-	-	-			
25832399	Heroin	Diamorphine;Oxycodone				
Hydrochloride;Herbals\Mitragynine	Product Used For Unknown					
Indication	Euphoric Mood;Skin Disorder;Drug					
Dependence;Anisocoria;Alopecia;Panic Attack	Serious Other Outcomes					
Male	-	22-SEP-2025	Non-Expedited	28 YR	Not	
Specified	Purdue	Consumer	Not Specified	-	19-	
SEP-2025	22-SEP-2025	US	Not Specified	US-PURDUE		
PHARMA-USA-2025-0320720	-	-				
25831069	-	Herbals\Mitragynine;7-Hydroxymitragynine				
-	Withdrawal Syndrome;Insomnia;Dependence;Impaired					

Quality Of Life;Substance Use;Constipation;Dizziness;Anxiety;Illness;Emotional Disorder;Depression;Diarrhoea	Female	08-SEP-2025	20-SEP-2025	Direct	
Outcomes;Disabled	37 YR	71.1 KG	Fda-Ctu Consumer	Not Specified	-
	-	20-SEP-2025	Not Specified	Not Specified	-
	-	Yes			
25825699	-	Herbals\Mitragynine	-	Depressed	
Level Of Consciousness;Somnolence;Incorrect Dose Administered					
Serious Died	Male	30-AUG-2025	19-SEP-2025	Direct	33 YR
Not Specified	Fda-Ctu Consumer		Not Specified		-
-	19-SEP-2025	Not Specified	Not Specified		-
-	-				
25823764	-	Herbals\Mitragynine	-		
Seizure;Substance Use;Dependence;Withdrawal Syndrome				Serious	Other
Outcomes	Male	18-SEP-2025	18-SEP-2025	Direct	24 YR
	54 KG	Fda-Ctu Healthcare Professional	Not Specified		-
-	18-SEP-2025	Not Specified	Not Specified		-
-	-				
25818188	-	Herbals\Mitragynine	-	Product Label	
Issue Non-Serious	Non-Serious	Not Specified	-	18-	
SEP-2025	Direct	Not Specified	Not Specified	Fda-Ctu	
Consumer	Not Specified	-	-	18-SEP-2025	Not
Specified	Not Specified	-	-	-	
25811385		Brixadi Buprenorphine;Herbals\Mitragynine			
Product Used For Unknown Indication		Myoclonus;Drug Withdrawal			
Syndrome;Nightmare	Non-Serious	Non-Serious	Female	2025	
17-SEP-2025	Non-Expedited	Not Specified	Not Specified		
Braeburn Pharmaceuticals		Consumer	Not Specified		
-	21-AUG-2025	17-SEP-2025	US	Not Specified	
US-BRAEBURN PHARMACEUTICALS-US-BRA-25-000741			-	-	
25809149		Heroin Diamorphine;Herbals\Mitragynine;Oxycodone Hydrochloride;Methamphetamine			
Unknown Indication		Analgesic Therapy;Product Used For			
Dependence;Injury;Withdrawal Syndrome		Substance Abuse;Drug			
-	16-SEP-2025	Expedited	Not Specified	Not Specified	Female
Specified	Purdue Consumer		Not Specified	-	13-
SEP-2025	16-SEP-2025	US	Not Specified	US-PURDUE	
PHARMA-USA-2025-0320554	-	-			
25809020	-	Herbals\Mitragynine	-	Drug	
Dependence;Substance Abuser;Product Advertising Issue				Serious	Died
Female	08-NOV-2024	16-SEP-2025	Direct	27 YR	Not
Specified	Fda-Ctu Consumer		Not Specified	-	-
-	16-SEP-2025	Not Specified	Not Specified	-	-
-	-				
25798167		Suboxone;Vivitrol		Naltrexone;Buprenorphine	
Hydrochloride\Naloxone Hydrochloride;Herbals\Mitragynine				Drug	
Dependence;Product Used For Unknown Indication		Drug Withdrawal			
Syndrome;Pain In Extremity;Feeling Abnormal;Contraindicated Product Administered;Restlessness;Malaise		Non-Serious	Non-Serious		

Male Specified	29-AUG-2025	12-SEP-2025	Non-Expedited	Not Specified
Specified	99.773 KG	Alkermes	Consumer	Not Specified
Not Specified	-	29-AUG-2025	12-SEP-2025	Not Specified
Not Specified	US-ALKERMES INC.-ALK-2025-002275			-
-				
25766636	-	Herbals\Mitragynine	-	
Dependence;Overdose		Serious Required		
Intervention;Died;Hospitalized;Life Threatening	Male	01-JUL-2018		
03-SEP-2025	Direct	23 YR	76.5 KG	Fda-Ctu Consumer
Not Specified	-	-	03-SEP-2025	Not Specified
Not Specified	-	-	-	
25761592	-	Herbals\Mitragynine	Attention Deficit	
Hyperactivity Disorder	Dependence	Serious	Other Outcomes	Male
-	03-SEP-2025	Direct	18 YR	72 KG Fda-Ctu
Consumer	Not Specified	-	-	03-SEP-2025 Not
Specified	Not Specified	-	-	-
25761531	-	Herbals\Mitragynine	-	
Dyspnoea;Accidental Exposure To Product	Serious	Other Outcomes	Male	
01-MAR-2022	03-SEP-2025	Direct	48 YR	Not Specified
Fda-Ctu Consumer	Not Specified	-	-	03-
SEP-2025	Not Specified	Not Specified	-	-
25485621	-	Herbals\Mitragynine;Buprenorphine		
Anxiety;Dependence;Depressed Mood;Obsessive-Compulsive Disorder				
Suicidal Ideation;Dependence;Off Label Use;Wrong Technique In Product				
Usage Process;Drug Withdrawal Syndrome	Serious	Other Outcomes	Not	
Specified	NOV-2024	02-SEP-2025	Expedited	Not
Specified	Not Specified	Reckitt Benckiser	Healthcare	
Professional	Not Specified	-	25-AUG-2025	26-JUN-2025
GB	Not Specified	GB-INDIVIOR UK LIMITED-		
INDV-164864-2025	"Filipa Teixeira, Oluwatobi Ajewole, Mihai Picior, Emmert Roberts. Treatment of obsessive compulsive disorder and Kratom dependence with buprenorphine and supportive care. BMJ Case Reports. 2025;18:e265834"			
25750030	-	Herbals\Mitragynine	Anxiety	
Seizure;Impaired Work Ability		Serious Hospitalized;Life Threatening		
Male	21-AUG-2025	30-AUG-2025	Direct	40 YR 119.25
KG	Fda-Ctu Consumer	Not Specified	-	- 30-
AUG-2025	Not Specified	Not Specified	-	-
25743346	Venlafaxine	Venlafaxine		
Hydrochloride;Quetiapine;Herbals\Mitragynine		Product Used For		
Unknown Indication	Herbal Interaction;Antidepressant Drug Level			
Above Therapeutic;Electrocardiogram Qt Prolonged;Serotonin				
Syndrome;Drug Interaction	Serious Hospitalized;Other Outcomes			
Male	-	30-AUG-2025	Expedited	36 YR Not
Specified	Medicap Laboratories	Healthcare Professional	Not	
Specified	-	18-AUG-2025	30-AUG-2025	US Not
Specified	US-Medicap-000029	"Brogdon H D, McPhee M M, Paine M F, Cox E J and Burns A G. A Case of Potential Pharmacokinetic Kratom-drug Interactions Resulting in Toxicity and Subsequent Treatment of Kratom Use Disorder With Buprenorphine/Naloxone. J Addict		

Med. 2022 Sep-Oct;16(5):606-609. Doi: 10.1097/ADM.0000000000000968.

Epub 2022 Feb 14."

25732022 - Herbals\Mitragynine Pain Toxicity To  
Various Agents;Seizure Serious Died Female 12-MAR-2025 27-  
AUG-2025 Direct 39 YR 58.5 KG Fda-Ctu Consumer Not  
Specified Fluoxetine;Lorazepam;Norfluoxetine;Methylphenidate  
- 27-AUG-2025 Not Specified Not Specified -  
-

25726787 - Herbals\Mitragynine Alcohol Problem  
Insomnia;Abdominal Discomfort;Restlessness;Withdrawal  
Syndrome;Irritability;Depression;Hyperhidrosis;Anxiety;Nausea;Fatigue;  
Drug Dependence;Emotional Disorder;Diarrhoea;Myalgia;Product  
Advertising Issue Serious Other Outcomes;Required  
Intervention;Disabled;Life Threatening Male 20-AUG-2025 25-  
AUG-2025 Direct 29 YR 54 KG Fda-Ctu Consumer Not  
Specified - - 25-AUG-2025 Not Specified Not  
Specified - - -

25721295 - Herbals\Mitragynine - Psychotic  
Disorder;Drug Dependence;Aggression;Crying;Delusion Serious Other  
Outcomes Male 22-AUG-2025 22-AUG-2025 Direct 40 YR  
Not Specified Fda-Ctu Consumer Not Specified -  
- 22-AUG-2025 Not Specified Y - -  
-

25705804 - Herbals\Mitragynine Pain  
Dependence;Vomiting;Insomnia;Loss Of Personal Independence In Daily  
Activities;Hyperhidrosis;Psychotic Disorder;Tremor;Withdrawal  
Syndrome;Delusion;Impaired Work Ability;Fatigue;General Physical  
Health Deterioration Serious Required Intervention;Disabled Female  
02-JUL-2024 19-AUG-2025 Direct 54 YR 54 KG Fda-  
Ctu Consumer Not Specified Herbals\Mitragynine -  
19-AUG-2025 Not Specified Not Specified - -  
-

25690201 - Herbals\Mitragynine - "Restless Legs  
Syndrome;Insomnia;Nausea;Withdrawal Syndrome;Paranoia;Drug  
Dependence;Pain;Depression;Anxiety;Hallucination, Auditory"  
Serious Other Outcomes Male 21-JUN-2025 15-AUG-2025 Direct  
35 YR Not Specified Fda-Ctu Healthcare Professional Not  
Specified - - 15-AUG-2025 Not Specified Not  
Specified - - -

25690199 - Herbals\Mitragynine - Delusion;Acute  
Psychosis;Paranoia;Obsessive-Compulsive Personality Disorder  
Serious Hospitalized Male 03-FEB-2022 15-AUG-2025 Direct  
43 YR Not Specified Fda-Ctu Healthcare Professional Not  
Specified - - 15-AUG-2025 Not Specified Not  
Specified - - -

25690197 - Herbals\Mitragynine - Drug  
Dependence;Therapy Cessation;Hallucination;Withdrawal Syndrome;Drug  
Tolerance;Paranoia Serious Other Outcomes Male 05-JUN-2023  
15-AUG-2025 Direct 30 YR Not Specified Fda-Ctu  
Healthcare Professional Not Specified - - 15-AUG-2025

25682776	Not Specified	Not Specified	-	-	-		
Dependence;Near Death Experience;Anxiety;Feeling Abnormal	-	Herbals\Mitragynine	Weight Control	Drug			
Serious Disabled;Hospitalized	Male	24-JUL-2025	14-AUG-2025				
Direct 29 YR	112.5 KG	Fda-Ctu Consumer	Not Specified	Not			
Specified	-	14-AUG-2025	Not Specified	Not			
Specified	-	-	-	-			
25681939	-	Herbals\Mitragynine	-	Withdrawal			
Syndrome;Drug Dependence	Serious	Required Intervention	Not				
Specified	-	14-AUG-2025	Direct	Not Specified	Not		
Specified	Fda-Ctu Consumer	Not Specified	-	-			
14-AUG-2025	Not Specified	Not Specified	-	-			
-	-	-	-	-			
25663995	-	Herbals\Mitragynine	-	Withdrawal			
Syndrome;Dependence;Drug Dependence;Loss Of Personal Independence In							
Daily Activities;Mental Disorder;Physical Deconditioning;Hepatic							
Pain;Depression;Anhedonia;Gastrointestinal Disorder	Serious						
Required Intervention	Female	08-AUG-2025	08-AUG-2025	Direct			
Not Specified	Not Specified	Fda-Ctu Consumer	Not				
Specified	-	08-AUG-2025	Not Specified	Not			
Specified	-	-	-	-			
25658986	-	Herbals\Mitragynine	Asthenia				
Headache;Product Complaint;Nausea;Product Advertising Issue;Drug							
Dependence;Nonspecific Reaction;Pain;Withdrawal Syndrome							
Serious Hospitalized	Female	-	07-AUG-2025	Direct	45 YR		
113.4 KG	Fda-Ctu Consumer	Not Specified	-				
-	07-AUG-2025	Not Specified	Not Specified	-			
-	-	-	-	-			
25656033	-	Herbals\Mitragynine	Self-Medication				
Cardiac Arrest;Substance Use;Brain Injury;Depressed Level Of							
Consciousness;Therapeutic Product Effect Variable;Product Measured							
Potency Issue;Circulatory Collapse;Oral Discharge;Paralysis;Loss Of							
Personal Independence In Daily Activities	Serious	Disabled					
Male	30-APR-2022	07-AUG-2025	Direct	32 YR	79.38		
KG	Fda-Ctu	Not Specified	Not Specified	-	-	07-	
AUG-2025	Not Specified	Y	-	-	-		
25649556	-	Herbals\Mitragynine	Asthenia				
Death;Coma	Serious	Died	Female	09-OCT-2022	05-AUG-2025		
Direct	36 YR	63 KG	Fda-Ctu Consumer	Not Specified			
-	-	05-AUG-2025	Not Specified	Not Specified			
-	-	-	-	-			
25646131	-	Herbals\Mitragynine	Anxiety	Drug			
Withdrawal Syndrome	Serious	Other Outcomes	Female	05-AUG-2025			
05-AUG-2025	Direct	40 YR	81.9 KG	Fda-Ctu Consumer			
Not Specified	-	-	05-AUG-2025	Not Specified			
Not Specified	-	-	-	-			
25645630	-	Fentanyl;Herbals\Mitragynine					
Anxiety;Depression;Pain	Euphoric	Mood;Withdrawal Syndrome;Drug					
Dependence;Illness	Serious	Other Outcomes	Male	01-NOV-2024			
04-AUG-2025	Direct	144 YR	90 KG	Fda-Ctu Consumer			

	Not Specified	-	-	04-AUG-2025	Not Specified
	Not Specified	-	-	-	
25645556	-	Herbals\Mitragynine;Cocaine;Lorazepam	-		
	Substance Abuse;Seizure	Serious Life Threatening;Hospitalized			
	Male	03-AUG-2025	04-AUG-2025	Direct	34 YR 89.5
KG	Fda-Ctu Healthcare Professional	Not Specified			
	Alcohol;Lisinopril;Buspirone	-	04-AUG-2025	Not Specified	
	Not Specified	-	-		
25645540	-				
	Herbals\Mitragynine;Herbals\Tetrahydrocannabiphorol	Anxiety			
	Insomnia;Confusional State;Schizophrenia;Decreased				
	Appetite;Anxiety;Tremor	Serious Hospitalized;Required Intervention			
	Male	26-JUL-2025	04-AUG-2025	Direct	19 YR 56.7
KG	Fda-Ctu Consumer	Not Specified	-	-	04-
	AUG-2025	Not Specified	Not Specified	-	-
25645341	-	Herbals\Mitragynine	-		
	Injury;Dependence;Alopecia	Serious Required Intervention			Female
	15-FEB-2023	04-AUG-2025	Direct	28 YR	58.5 KG Fda-
Ctu	Consumer	Not Specified	-	-	04-AUG-2025
	Not Specified	Not Specified	-	-	-
25643805	-	Herbals\Mitragynine	Anxiety Drug		
	Dependence	Serious Required Intervention;Other Outcomes			Female
	24-JUL-2025	04-AUG-2025	Direct	14 YR	49.5 KG Fda-
Ctu	Consumer	Not Specified	-	-	04-AUG-2025
	Not Specified	Not Specified	-	-	-
25644082	-	Herbals\Mitragynine	Euphoric Mood;Feeling		
	Of Relaxation	Impaired Quality Of Life;Drug Dependence			
	Serious Hospitalized;Life Threatening;Other Outcomes;Required				
	Intervention	Male	28-DEC-2024	03-AUG-2025	Direct 49 YR
	92.25 KG	Fda-Ctu Consumer	Not Specified		
	Unspecified Ingredient;Xanax	-	03-AUG-2025	Not Specified	
	Not Specified	-	-		
25643652	-	Herbals\Mitragynine	Dependence		
	Dependence;Drug Withdrawal Syndrome	Serious Required Intervention			
	Male	02-AUG-2025	02-AUG-2025	Direct	65 YR 81 KG
	Fda-Ctu Consumer	Not Specified	-	-	02-
	AUG-2025	Not Specified	Not Specified	-	-
25640731	-	Herbals\Mitragynine	-		
	Syndrome;Dependence;Dry Skin;Skin Exfoliation	Serious Hospitalized			
	Female	04-NOV-2024	02-AUG-2025	Direct	27 YR Not
	Specified	Fda-Ctu Consumer	Not Specified	-	-
	02-AUG-2025	Not Specified	Not Specified	-	-
	-				
25627045	-	Herbals\Mitragynine	Drug Dependence		
	Substance Use;Job Dissatisfaction;Withdrawal Syndrome;General Physical				
	Health Deterioration	Serious Other Outcomes;Required Intervention			
	Male	24-JUL-2025	30-JUL-2025	Direct	28 YR 103.5
KG	Fda-Ctu Consumer	Not Specified	-	-	30-
	JUL-2025	Not Specified	Not Specified	-	-
25623069	-	Herbals\Mitragynine	Anxiety		



Hypertension;Dyspnoea;Palpitations;Heart Rate Increased Serious Other	Female	18-AUG-2024	30-JUL-2025	Direct	50 YR
Outcomes	74.25 KG	Fda-Ctu Consumer	Not Specified		
Vitamins;Krill Oil	-	30-JUL-2025	Not Specified	Not	
Specified	-	-	-		
25622686	-	Herbals\Mitragynine	Energy Increased		
Arthralgia;Bone					
Pain;Vomiting;Constipation;Asthenia;Nausea;Headache;Withdrawal					
Syndrome;Confusional State;Hyperhidrosis;Substance Use Serious					
Required Intervention;Hospitalized	Male	30-JUN-2025	29-		
JUL-2025	Direct	52 YR	78.75 KG	Fda-Ctu Consumer	
Not Specified	-	-	29-JUL-2025	Not Specified	
Not Specified	-	-	-		
25618818	-	Herbals\Mitragynine	-		
Dependence;Partner Stress;Blood Testosterone Decreased;Renal					
Disorder;Alopecia;Self Esteem Decreased;Withdrawal					
Syndrome;Gallbladder Disorder;Dyschezia;Loss Of Employment					
Serious Required Intervention	Male	-	29-JUL-2025	Direct	
Not Specified	83.25 KG	Fda-Ctu Consumer	Not		
Specified	-	-	29-JUL-2025	Not Specified	Not
Specified	-	-	-		
25617799	-	Herbals\Mitragynine	-	Cardiac	
Arrest;Seizure	Serious Died	Male	28-JUL-2025	29-JUL-2025	
Direct	31 YR	136.08 KG	Fda-Ctu Healthcare		
Professional	Not Specified	-	-	29-JUL-2025	Not
Specified	Not Specified	-	-	-	
25617090	-	Herbals\Mitragynine	Sleep Disorder		
Quality Of Life Decreased;Drug Dependence			Serious Required		
Intervention	Male	21-JUL-2025	28-JUL-2025	Direct	44 YR
81 KG	Fda-Ctu Consumer	Not Specified	-	-	
28-JUL-2025	Not Specified	Not Specified	-	-	
-					
25613316	-	Herbals\Mitragynine	-		
Dependence;Nonspecific Reaction Serious Disabled;Hospitalized;Other					
Outcomes;Life Threatening	Male	-	27-JUL-2025	Direct	
Not Specified	Not Specified	Fda-Ctu Consumer	Not		
Specified	-	-	27-JUL-2025	Not Specified	Not
Specified	-	-	-		
25612923	-	Herbals\Mitragynine	Asthenia		
Dyspnoea;Abdominal Pain Upper;Confusional State;Heart Rate Increased					
Serious Required Intervention;Life Threatening	Male	03-			
JUL-2025	26-JUL-2025	Direct	36 YR	83.25 KG	Fda-
Ctu Consumer	Not Specified	-	-	26-JUL-2025	
Not Specified	Y	-	-	-	
25596657	-	Herbals\Mitragynine	Drug Dependence;Drug		
Use Disorder	Detoxification	Serious Required	Intervention	Male	
09-OCT-2024	22-JUL-2025	Direct	41 YR	Not Specified	
Fda-Ctu Consumer	Not Specified	-	-	22-	
JUL-2025	Not Specified	Not Specified	-	-	-
25584861	-	Herbals\Mitragynine	Alcohol Withdrawal		

Syndrome	Myocardial Infarction;Cerebrovascular Accident;Blood Pressure Increased;Substance Use;Intentional Overdose;Pulmonary Embolism;Thrombosis	Serious	Died	Male	24-SEP-1924	17-
JUL-2025	Direct	37 YR	157.5 KG	Fda-Ctu	Consumer	
	Not Specified	Benadryl;Losartan	-	-	17-JUL-2025	
	Not Specified	Not Specified	-	-	-	
25566138	-	Herbals\Mitragynine	-	-	Product	
	Formulation Issue;Ill-Defined Disorder;Withdrawal Syndrome;Drug Dependence;Product Advertising Issue;Emotional Disorder	Serious				
	Required Intervention;Life Threatening	Male	08-JUL-2025	15-		
JUL-2025	Direct	43 YR	99 KG	Fda-Ctu	Consumer	Not
Specified	-	-	15-JUL-2025	Not Specified	Y	
-	-	-				
25551627	-	Herbals\Mitragynine	Drug Withdrawal			
Syndrome	Anger;Psychotic Disorder	Serious	Other Outcomes			
	Male	10-DEC-2023	13-JUL-2025	Direct	61 YR	72 KG
	Fda-Ctu	Consumer	Not Specified	-	-	13-
JUL-2025	Not Specified	Not Specified	-	-	-	
25548770	-	Herbals\Mitragynine;7-Hydroxymitragynine				
	-	Depression;Adulterated Product;Dependence				
	Serious	Required Intervention;Other Outcomes	Male	29-AUG-2024		
	13-JUL-2025	Direct	28 YR	74.25 KG	Fda-Ctu	
Consumer	Not Specified	-	-	13-JUL-2025	Not	
Specified	Not Specified	-	-	-		
25529119	-	Herbals\Mitragynine	Anxiety;Depression			
	Toxicity To Various Agents	Serious	Died	Male	20-	
APR-2021	07-JUL-2025	Direct	32 YR	Not Specified	Fda-	
Ctu	Consumer	Not Specified	Celesta;Prozac;Benadryl	-	-	
	07-JUL-2025	Not Specified	Not Specified	-	-	
-						
25525749	"Dextroamphetamine Saccharate, Amphetamine Aspartate, Dextroamphetamine Sulfate And Amphetamine Sulfate;Xanax"					
	Alprazolam;Herbals\Mitragynine;Dronabinol;Amphetamine Aspartate\Amphetamine Sulfate\Dextroamphetamine Saccharate\Dextroamphetamine Sulfate;Cannabis Sativa Subsp. Indica Top;Fentanyl;Alprazolam Product Used For Unknown Indication					
	Balance Disorder;Drug Abuse;Dysarthria;Drug Diversion;Impaired Driving Ability	Serious	Other Outcomes	Male	-	07-JUL-2025
Expedited	Not Specified	Not Specified	Purdue	Consumer		
	Not Specified	-	03-JUL-2025	07-JUL-2025	US	
	Not Specified	US-PURDUE-USA-2025-0318677	-	-		
25509786	-	Herbals\Mitragynine	Asthenia			
	Restless Legs Syndrome;Rebound Psychosis;Depression;Drug Dependence;Withdrawal Syndrome	Serious	Other Outcomes;Required			
Intervention	Male	01-MAY-2024	02-JUL-2025	Direct	36 YR	
	99 KG	Fda-Ctu	Consumer	Not Specified	Vitamins	
	-	02-JUL-2025	Not Specified	Y	-	-
-						
25504696	-	Herbals\Mitragynine	Pain	Panic		
	Attack;Withdrawal Syndrome;Insomnia;Hyperhidrosis;Suicidal					

Ideation;Vomiting;Drug Dependence;Abnormal Behaviour;Quality Of Life Decreased	Serious	Hospitalized;Disabled;Other Outcomes;Required Intervention	Male	29-JUN-2025	02-JUL-2025	Direct	49 YR
90 KG	Fda-Ctu	Consumer		Not Specified	-	-	
02-JUL-2025		Not Specified		Not Specified	-	-	
-							
25504579	-	Herbals\Mitragynine		Anxiety Toxicity To			
Various Agents;Seizure	Serious	Died	Male	21-DEC-2024	01-		
JUL-2025	Direct	27 YR	67.5 KG	Fda-Ctu	Consumer	Not	
Specified	Hydrocortisone;Escitalopram			-	01-JUL-2025		
Not Specified	Not Specified	-		-	Yes		
25504578	-	Herbals\Mitragynine		Asthenia			
Withdrawal Syndrome;Emotional							
Disorder;Fatigue;Formication;Sneezing;Insomnia;Feeling Of Body							
Temperature Change	Serious	Disabled	Male	30-JUN-2025			
01-JUL-2025	Direct	58 YR	87.75 KG	Fda-Ctu	Other		
Not Specified	Losartan;Magnesium Citrate;Unspecified						
Ingredient	-	01-JUL-2025	Not Specified	Not Specified			
-	-	-					
25499470	-	Herbals\Mitragynine		Drug			
Dependence;Substance Use		Serious	Life Threatening;Other				
Outcomes	Not Specified	30-JUN-2025	30-JUN-2025	Direct			
32 YR	175 LB	Fda-Ctu	Healthcare Professional	Not Specified			
-	-	30-JUN-2025	Not Specified	Not Specified			
-	-	-					
25496375	-	Herbals\Mitragynine		Drug			
Dependence;Substance Use		Serious	Life Threatening	Male			
26-JUN-2025	27-JUN-2025	Direct	30 YR	185 LB	Fda-		
Ctu	Healthcare Professional	Not Specified	-	-	27-		
JUN-2025	Not Specified	Not Specified	-	-	-		
25493866	-	Herbals\Mitragynine					
Anxiety;Tachycardia;Product Advertising Issue;Drug Withdrawal							
Syndrome;Chest Pain	Serious	Other Outcomes	Male	24-JUN-2025			
27-JUN-2025	Direct	35 YR	74.25 KG	Fda-Ctu			
Healthcare Professional	Not Specified	-	-	27-JUN-2025			
Not Specified	Not Specified	-	-	-			
25482688	-	Herbals\Mitragynine		Energy Increased			
Product Complaint		Serious	Life Threatening	Not			
Specified	-	25-JUN-2025	Direct	Not Specified	Not		
Specified	Fda-Ctu	Consumer	Not Specified	-	-		
25-JUN-2025		Not Specified	Not Specified	-	-		
-							
25469790		Lybalvi Olanzapine\Samidorphan L-					
Malate;Herbals\Mitragynine		Pain;Product Used For Unknown					
Indication	Pain;Contraindicated	Product Administered					
Serious Non-Serious	Not Specified	-	23-JUN-2025	Non-			
Expedited	Not Specified	Not Specified	Alkermes				
Consumer	Not Specified	-	17-JUN-2025	23-JUN-2025			
US	Not Specified	US-ALKERMES INC.-ALK-2025-001665					
-	-						

25468427 Lybalvi Olanzapine\Samidorphan L-Malate;Herbals\Mitragynine Product Used For Unknown Indication Withdrawal Syndrome;Contraindicated Product Administered Non-Serious Non-Serious Female - 23-JUN-2025 Non-Expedited Not Specified Not Specified Alkermes Healthcare Professional Not Specified Olanzapine 17-JUN-2025 23-JUN-2025 US Not Specified US-ALKERMES INC.-ALK-2025-001658 - -

25170437 Promethazine Pipamperone;Promethazine Hydrochloride;Ketamine;Mirtazapine;Citalopram;Nordazepam;Herbals\Mitragynine;Codeine Product Used For Unknown Indication Death;Drug Abuse Serious Other Outcomes;Died Male - 23-JUN-2025 Expedited 19 YR Not Specified Aurobindo Healthcare Professional Not Specified - 10-JUN-2025 08-APR-2025 BE Not Specified BE-AUROBINDO-AUR-APL-2025-016637 "Breugelmans L, Boland A, Fernandez MDMR, Di Fazio V, Wille S. A lethal case involving purple drank and Kratom. Toxic-Analyt-Clinique. 2025;37 (Suppl)(1):S17" -

18451955 Sertraline Sertraline Hydrochloride;Bupropion Hydrochloride;Amitriptyline Hydrochloride;Perphenazine;Herbals\Mitragynine;Phenethylamine Anxiety;Mood Altered Serotonin Syndrome;Hypertransaminasaemia;Metabolic Acidosis;Rhabdomyolysis;Drug Ineffective Serious Hospitalized Male - 20-JUN-2025 Expedited 20 YR Not Specified Aurobindo Healthcare Professional Not Specified - 05-JUN-2025 02-NOV-2020 US Not Specified US-MYLANLABS-2020M1090641 "Mantilla B, Vega MV, Solis X, Makram J, Mallah H, Test V.. A DANGEROUS DRUG AND HERBAL MIXTURE.. Chest. 2020;158 (Suppl.)(4):A812 (plus poster)." -

25462679 - Cosmetics;.Delta.9-Tetrahydrocannabinol\Herbals;Herbals\Mitragynine;.Delta.8-Tetrahydrocannabinol\Herbals Weight Control Product Advertising Issue;Headache;Product Label Issue;Weight Increased Serious Disabled Not Specified - 19-JUN-2025 Direct 34 YR Not Specified Fda-Ctu Consumer Not Specified - - 19-JUN-2025 Not Specified Y - -

25461736 - Herbals\Mitragynine Anxiety;Pain Management Withdrawal Syndrome;Hyperhidrosis;Drug Dependence;Tachycardia;Respiratory Depression;Diarrhoea;Depressed Level Of Consciousness Serious Other Outcomes Male 18-JUN-2025 19-JUN-2025 Direct 42 YR 108 KG Fda-Ctu Consumer Not Specified Herbals\Mitragynine;Klonopin;Ibuprofen - 19-JUN-2025 Not Specified Not Specified - -

25460975 - Turpentine;Herbals\Mitragynine;Tianeptine - Drug Withdrawal Syndrome;Acetonaemic Vomiting;Drug Dependence Non-Serious Non-Serious Male 11-JUN-2025 18-JUN-2025 Direct 35 YR Not Specified Fda-Ctu

Healthcare Professional	Not Specified	-	-	18-JUN-2025		
Not Specified	Not Specified	-	-	-		
25460702	-	Herbals\Mitragynine	-	Death		
Serious Died	Male	18-FEB-2025	18-JUN-2025	Direct	38 YR	
81 KG	Fda-Ctu	Consumer	Not Specified	-	-	
18-JUN-2025		Not Specified	Not Specified	-	-	
-						
25438994	-	Herbals\Mitragynine	Alcohol Withdrawal			
Syndrome	Drug Dependence;Substance Use;Overdose		Serious			
Disabled;Life Threatening;Required Intervention;Hospitalized;Other						
Outcomes	Male	01-JUN-2025	14-JUN-2025	Direct	35 YR	
72 KG	Fda-Ctu	Consumer	Not Specified	-	-	
14-JUN-2025		Not Specified	Not Specified	-	-	
-						
25406123	-	Herbals\Mitragynine;Nitroglycerin;Verapamil				
Hydrochloride	Product	Used For Unknown Indication;Vasospasm	Drug			
Ineffective	Serious	Other Outcomes	Male	-	06-JUN-2025	
Expedited		52 YR	Not Specified	Aurobindo		
Healthcare Professional	Not Specified	-	22-MAY-2025	06-		
JUN-2025	US	Not Specified	US-AUROBINDO-AUR-			
APL-2022-047873	"Riggs A, Briggs J, Goodrich W, Gardner G..					
Intravenous kratom use with peripheral vasospasm. Clin-Toxicol-						
(Phila). 2022;60 (Suppl. 2):147-148"	-					
25386228	-	Herbals\Mitragynine;7-Hydroxymitragynine				
Back Pain;Pain;Pain In Extremity		Vomiting;Feeling				
Abnormal;Product Advertising Issue;Restless Legs Syndrome;Drug						
Withdrawal Syndrome;Impaired Work Ability;Middle Insomnia;Diarrhoea						
Serious	Other Outcomes;Required Intervention;Disabled	Male				
04-JAN-2025	31-MAY-2025	Direct	45 YR	80.55 KG		
Fda-Ctu	Consumer	Not Specified				
Herbals\Mitragynine;Clonazepam	-	31-MAY-2025	Not Specified			
Not Specified	-	-	-			
25379995	-	Herbals\Mitragynine	-			
Overdose;Vomiting;Withdrawal Syndrome;Tremor;Fall			Serious			
Died;Other Outcomes	Male	21-APR-2025	30-MAY-2025	Direct		
32 YR	72.57 KG	Fda-Ctu	Not Specified	Not Specified		
-	-	30-MAY-2025	Not Specified	Not Specified		
-	-	-				
25379785	-					
Fentanyl;Herbals\Mitragynine;Diazepam;Gabapentin		Product Used				
For Unknown Indication	Overdose;Toxicity To Various Agents					
Serious Died	Male	-	30-MAY-2025	Expedited	33 YR	
Not Specified	Mylan	Consumer	Not Specified	-		
27-MAY-2025	30-MAY-2025	US	Not Specified	US-		
MYLANLABS-2025M1045745	-	-				
25375148	-	Herbals\Mitragynine	Anxiety;Headache			
Drug Dependence;Product Communication Issue;Suicidal						
Ideation;Withdrawal Syndrome;Substance Use		Serious	Disabled;Other			
Outcomes;Required Intervention	Male	08-MAY-2025	29-MAY-2025			
Direct	69 YR	99 KG	Fda-Ctu	Consumer	Not Specified	

	Klonopin;Clonidine;Gabapentin;Vitamin D;Paxil;Atorvastatin;Ibuprofen;Herbals\Mitragynine;Xarelto					
	29-MAY-2025	Not Specified	Not Specified	-	-	
25369370	Suboxone	Buprenorphine Hydrochloride\Naloxone Hydrochloride;Oxycodone Hydrochloride;Herbals\Mitragynine;Hydrocodone Bitartrate	Detoxification;Pain			
	Hypoaesthesia;Hyperhidrosis;Drug Dependence;Anxiety;Chills;Inadequate Analgesia	Serious Other Outcomes	Male	2019	28-MAY-2025	
	Non-Expedited	Not Specified	Not Specified	Purdue		
Consumer	Not Specified	-	24-MAY-2025	28-MAY-2025		
US	Not Specified	US-PURDUE	PHARMA-USA-2025-0317721			
25341878	-	Herbals\Mitragynine	Stress Feeling			
	Abnormal;Sluggishness;Motor Dysfunction;Hypoaesthesia Oral;Tongue Pruritus;Headache;Heart Rate Decreased;Bedridden;Fatigue;Nausea					
	Serious Other Outcomes	Female	17-MAY-2025	21-MAY-2025	Direct	
	29 YR	46.8 KG	Fda-Ctu Consumer	Not Specified	-	
	-	21-MAY-2025	Not Specified	Not Specified	-	
25323735	-	7-Hydroxymitragynine;Herbals\Mitragynine	Depression;Pain;Plasminogen Activator Inhibitor Polymorphism			
	Quality Of Life Decreased;Somnolence;Drug Dependence					
	Serious Disabled	Male	17-APR-2025	16-MAY-2025	Direct	
	66 YR	Not Specified	Fda-Ctu Healthcare Professional	Not Specified	Not	
	Specified	-	16-MAY-2025	Not Specified	Not	
	Specified	-	-			
25324294	-	Herbals\Mitragynine	Limb Injury			
	Product Complaint;Mental Disorder;Communication Disorder					
	Serious Hospitalized;Disabled;Other Outcomes;Life Threatening;Required Intervention	Male	06-MAY-2025	15-MAY-2025	Direct	46 YR
	90 KG	Fda-Ctu Consumer	Not Specified	-	-	
	15-MAY-2025	Not Specified	Not Specified	-	-	
25324201	-	Herbals\Mitragynine	Anxiety			
	Hallucination;Product Complaint;Paranoia					
	Outcomes;Hospitalized;Life Threatening;Disabled;Required Intervention	Serious Other				
	Male	06-MAY-2025	15-MAY-2025	Direct	Not Specified	
	Not Specified	Fda-Ctu Consumer	Not Specified	-	-	
	-	15-MAY-2025	Not Specified	Not Specified	-	
25302762	-	Heroin Diamorphine;Hydrocodone Bitartrate;Herbals\Mitragynine;Diazepam;Fentanyl;Gabapentin	Product Used For Unknown Indication	Drug Abuse;Road Traffic Accident;Toxicity To Various Agents;Overdose;Impaired Driving Ability		
	Serious Died;Other Outcomes	Male	20-JUN-2024	12-		
MAY-2025	Expedited	33 YR	Not Specified	Purdue		
Consumer	Not Specified	-	09-MAY-2025	12-MAY-2025		
US	Not Specified	US-PURDUE-USA-2025-0317374				

23415519	Suboxone	Buprenorphine Hydrochloride\Naloxone Hydrochloride;Herbals\Mitragynine;Docusate Sodium	Product Used For Unknown Indication	Anal Haemorrhage;Discomfort;Loss Of Personal Independence In Daily Activities;Anal Injury;Dizziness;Haematochezia;Drug Ineffective;Vomiting;Pain;Faeces Hard;Migraine;Sleep Disorder	Serious Disabled;Other Outcomes Not Specified	-	06-MAY-2025	Expedited	Not Specified
	Not Specified	Chattem Consumer	Not Specified	-		04-JAN-2024	18-JAN-2024	US	Not Specified US-
CHATTEMPRD-20240HG000558									
25273355	-	Herbals\Mitragynine	Psoriatic Arthropathy	Herbal Toxicity Serious Died	Male	12-SEP-2024	05-		
MAY-2025	Direct	40 YR 69.3 KG	Fda-Ctu Consumer	Not Specified	Stool Softener (Docusate)	-	05-MAY-2025		
	Not Specified	Not Specified	-	-	-	-	-		
25263508	-	Herbals\Mitragynine	-	Withdrawal Syndrome;Fatigue;Chills;Restlessness;Irritability;Feeling Abnormal;Paranoid Personality Disorder	Serious Other Outcomes Male	-	01-MAY-2025	Direct	33 YR
	-	01-MAY-2025	Direct	33 YR	Not Specified	Fda-			
Ctu	Consumer	Not Specified	-	-	01-MAY-2025				
	Not Specified	Not Specified	-	-	-				
24678645	Sertraline;Trazodone	Trazodone Hydrochloride;Risperidone;Quetiapine;Sertraline Hydrochloride;Herbals\Mitragynine;Olanzapine	Product Used For Unknown Indication	Toxicity To Various Agents	Serious Died	Female	-	29-APR-2025	Expedited
	Not Specified	Aurobindo	Healthcare Professional	Not Specified					
Specified	-	16-APR-2025	29-NOV-2024	CZ	Not Specified				
Specified	CZ-AUROBINDO-AUR-APL-2024-057757	"Bursová M, _erná I, Horák V, __upárek Z. ÚMRTÍ SPOJENÉ S U_ITÍM KRATOMU. Military medical science list.. 2024;1(93)"	-						
13059359	-	Quinidine;Herbals\Mitragynine;Loperamide;Quinine Sulfate	Product Used For Unknown Indication	Drug Interaction;Drug Abuse;Accidental Overdose;Toxicity To Various Agents	Serious Died;Other Outcomes	Not Specified	-	29-APR-2025	
	Expedited	33 YR	Not Specified	Aurobindo	Healthcare Professional	Not Specified	-	14-APR-2025	23-DEC-2016
	US	Not Specified	US-						
MYLANLABS-2016M1057187 "Bishop-Freeman SC, Feaster MS, Beal J, Miller A, Hargrove RL, Brower JO, et al.. Loperamide-related deaths in North Carolina.. J-Anal-Toxicol. 2016;40(8):677-686" -									
25245489	-	7-Hydroxymitragynine;Herbals\Mitragynine	Alcohol Use;Feeling Of Relaxation;Substance Use Dependence;Product Formulation Issue;Illness;Depression;Anxiety;Drug Withdrawal Syndrome	Serious Disabled;Other Outcomes;Required Intervention	Male	-	27-APR-2025	Direct	23 YR 75.6 KG
	Fda-Ctu	Consumer	Not Specified	-	-	27-			
APR-2025	Not Specified	Not Specified	-	-	-				
25245476	-	Herbals\Mitragynine							

Anxiety;Depression;Pain Withdrawal Syndrome;Drug Dependence						
Serious	Other	Outcomes	Male	19-APR-2025	27-APR-2025	Direct
40 YR	54 KG	Fda-Ctu	Consumer		Not Specified	-
-	27-APR-2025		Not Specified		Not Specified	-
-	-					
25242427	-	Herbals\Mitragynine;Loperamide;Tramadol				
Product Used For Unknown Indication				Accidental Overdose;Drug		
Interaction;Loss Of Consciousness;Cardiomegaly;Toxicity To Various						
Agents	Serious	Died;Other Outcomes	Male	-	27-APR-2025	
	Expedited	24 YR	Not Specified	Aurobindo		
Healthcare Professional	Not Specified	-	14-APR-2025	27-		
APR-2025	US	Not Specified	US-AUROBINDO-AUR-			
APL-2019-077852 "Bishop-Freeman SC, Feaster MS, Beal J, Miller A, Hargrove RL, Brower JO, Winecker RE.. Loperamide-Related Deaths in North Carolina. .. Journal of Analytical Toxicology. 2016;40(8):677-686"						
23355812	Propranolol	Propranolol				
Hydrochloride;Loperamide;Quinidine;Herbals\Mitragynine;Quinine Sulfate;Citalopram Hydrobromide Product Used For Unknown Indication						
Drug Interaction;Accidental Overdose;Drug Abuse;Toxicity To Various Agents						
Serious	Died	Not Specified	-	27-APR-2025		
	Expedited	37 YR	Not Specified	Aurobindo		
Healthcare Professional	Not Specified	-	14-APR-2025	02-		
JAN-2024	US	Not Specified	US-AUROBINDO-AUR-			
APL-2019-077560 "Bishop-Freeman SC, Feaster MS, Beal J, Miller A, Hargrove RL, Brower JO, et,al.. Loperamide-Related Deaths in North Carolina.. Journal of Analytical Toxicology.. 2016;40(8):677-686"						
-						
25245337	-	Herbals\Mitragynine		-	Impaired	
Quality Of Life;Cerebral Disorder				Serious	Other Outcomes	Male
20-APR-2025	26-APR-2025	Direct	31 YR	Not Specified		
Fda-Ctu	Consumer	Not Specified	-	-	26-	
APR-2025	Not Specified	Not Specified	-	-	-	
25234603	-	Herbals\Mitragynine		-	Psychotic	
Disorder;Substance Use Disorder;Plasma Protein Metabolism Disorder						
Serious Required Intervention;Hospitalized;Disabled						Male
-	24-APR-2025	Direct	Not Specified	83.25 KG		
Fda-Ctu	Consumer	Not Specified	-	-	24-	
APR-2025	Not Specified	Not Specified	-	-	-	
25224362	-	Herbals\Mitragynine		Dependence	Drug	
Abuse;Drug Dependence;Malaise;Partner Stress;Liver Disorder						
Serious Required Intervention;Life Threatening;Disabled;Other Outcomes						
Male	19-APR-2025	21-APR-2025	Direct	47 YR	72 KG	
Fda-Ctu	Consumer	Not Specified	Viibryd;Lamictal			
-	21-APR-2025	Not Specified	Not Specified	-		
-	-					
25220629	-	Herbals\Mitragynine		Anxiety;Pain		
Influenza Like Illness;Blood Pressure Increased;Withdrawal Syndrome;Drug Dependence;Suicidal Ideation						
Female	15-APR-2025	19-APR-2025	Direct	46 YR	66.15	



KG	Fda-Ctu	Consumer	Not Specified	-	-	19-
APR-2025		Not Specified	Not Specified	-	-	-
25220129	-	Herbals\Mitragynine;7-Hydroxymitragynine				
		Depression;Pain;Substance Use	Fall;Decreased			
		Appetite;Emotional Disorder;Somnolence;Weight Decreased;Drug Dependence;Muscle Spasms;Epistaxis;Dyskinesia;Orthostatic Intolerance;Vomiting;Injury;Constipation;Retrograde Amnesia				
		Serious Disabled;Required Intervention	Male	17-APR-2025		19-
APR-2025	Direct	66 YR	95.4 KG	Fda-Ctu	Consumer	Not
Specified		Losartan;Clonidine;Nuvigil;Suboxone;Trintellix;Vitamin				
D Nos	-	19-APR-2025	Not Specified	Not Specified	-	
	-	-				
25209681		Promethazine Hydrochloride And Codeine				
		Phosphate;Promethazine	Promethazine			
		Hydrochloride;Citalopram;Pipamperone;Ketamine;Mirtazapine;Codeine				
		Phosphate\Promethazine Hydrochloride;Herbals\Mitragynine;Nordazepam				
		Product Used For Unknown Indication	Drug Abuse			
		Serious Died;Other Outcomes	Male	-	17-APR-2025	
	Expedited	19 YR	Not Specified	Quagen Pharmaceuticals		
	Healthcare Professional	Not Specified	Cannabis Sativa Subsp. Indica			
	Top;Prazepam;Morphine	04-APR-2025	17-APR-2025	BE	Not	
	Specified	BE-QUAGEN-2025QUALIT00301	Laetitia Breugelmans.A			
		lethal case involving purple drank and Kratom.Toxicologie Analytique & Clinique.2025;37:S17				
25209438	-	Herbals\Mitragynine	-		Quality Of	
		Life Decreased;Product Use In Unapproved Indication;Substance Use				
		Serious Required Intervention;Other Outcomes	Male	22-		
MAR-2024	17-APR-2025	Direct	43 YR	78.75 KG	Fda-	
Ctu	Consumer	Not Specified	-	-	17-APR-2025	
	Not Specified	Y	-	-	-	
25202828	-	Herbals\Mitragynine	Anxiety;Depression			
		Drug Dependence;Compulsive Shopping;Quality Of Life				
		Decreased;Product Complaint	Serious Hospitalized;Life			
		Threatening;Required Intervention	Male	06-APR-2025	15-	
APR-2025	Direct	46 YR	98.1 KG	Fda-Ctu	Consumer	Not
Specified	-	-	15-APR-2025	Not Specified	Not	
Specified	-	-	-			
25200492		Lybalvi Olanzapine\Samidorphane L-				
		Malate;Herbals\Mitragynine	Product Used For Unknown			
		Indication;Schizophrenia	Drug Screen Negative;Contraindicated			
		Product Administered;Withdrawal	Syndrome	Non-Serious	Non-	
	Serious Not Specified	-	15-APR-2025	Non-Expedited	Not	
	Specified	Not Specified	Alkermes	Healthcare		
	Professional	Not Specified	-	07-APR-2025	15-APR-2025	
	US	Not Specified	US-ALKERMES INC.-ALK-2025-000941			
	-	-				
25189640		Promethazine	Mirtazapine;Promethazine			
		Hydrochloride;Nordazepam;Citalopram;Codeine;Ketamine;Pipamperone;Herba				
	ls\Mitragynine	-	Drug Abuse	Serious Other Outcomes;Died		
	Male	-	11-APR-2025	Expedited	19 YR	Not

Specified	Organon Healthcare Professional	Not Specified	-
07-APR-2025	11-APR-2025	BE	Not Specified BE-
ORGANON-02504BEL001065 "Breugelmans L, Boland A, Fernandez MDMR, Di Fazio V, Wille S.. A lethal case involving purple drank and Kratom.. Toxic-Analyt-Clinique. 2025;37(1):S17" -			
25188348	-	Fentanyl;Herbals\Mitragynine;Gabapentin Drug Abuse	
Drug Abuse;Prescription Drug Used Without A Prescription			
Serious Died;Other Outcomes	Male	-	11-APR-2025
Expedited	49 YR	Not Specified	Alvogen Healthcare
Professional	Not Specified	-	27-MAR-2025 11-APR-2025
US	Not Specified	US-ALVOGEN-2025096648	"Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Rivers LJ, Feldman R, Brown K, Pham NPT, Bronstein AC, DesLauriers C. 2023 Annual Report of the National Poison Data System (NPDS) from America's Poison Centers: 41st Annual Report. Clinical Toxicology. 2024 Dec 17; doi:https://doi.org/10.1080/15563650.2024.2412423" -
25186726	-	Herbals\Mitragynine;Olanzapine;Hydromorphone	
Abdominal Pain;Product Used For Unknown			
Indication;Schizoaffective Disorder Bipolar Type			Toxicity To
Various Agents;Overdose;Renal Impairment	Serious Died	Male	
-	11-APR-2025	Expedited	44 YR Not Specified
Teva	Healthcare Professional	Not Specified	
Zopiclone;Escitalopram	03-APR-2025	11-APR-2025	CA Not
Specified	CA-TEVA-VS-3320544	-	-
25184025	Promethazine	Promethazine	
Hydrochloride;Citalopram;Mirtazapine;Pipamperone;Nordazepam;Ketamine			
Hydrochloride;Herbals\Mitragynine;Codeine	-	Drug	
Abuse;Toxicity To Various Agents;Overdose	Serious Died	Male	
-	10-APR-2025	Expedited	19 YR Not Specified
Pfizer	Healthcare Professional	Not Specified	- 04-
APR-2025	10-APR-2025	BE	Not Specified BE-PFIZER
INC-202500072887		"Breugelmans, L.. A lethal case involving purple drank and Kratom.. Toxicologie Analytique & Clinique. 2025;37(1):S17" -	
25183604	-	Oxycodone;Herbals\Mitragynine;Gabapentin	
Drug Abuse	Drug Abuse	Serious Died;Other Outcomes	
Female	-	10-APR-2025	Expedited 64 YR Not
Specified	Alvogen	Healthcare Professional	Not Specified -
27-MAR-2025	10-APR-2025	US	Not Specified US-
ALVOGEN-2025096994		"Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Rivers LJ, Feldman R, Brown K, Pham NPT, Bronstein AC, DesLauriers C. 2023 Annual Report of the National Poison Data System (NPDS) from America's Poison Centers: 41st Annual Report. Clinical Toxicology. 2024 Dec 17; doi:https://doi.org/10.1080/15563650.2024.2412423" -	
25179701	-	Herbals\Mitragynine;Hydromorphone	
Hydrochloride;Olanzapine	Abdominal Pain;Product Used For		
Unknown Indication;Schizoaffective Disorder Bipolar Type			Renal
Impairment;Overdose;Toxicity To Various Agents	Serious Died	Male	
-	09-APR-2025	Expedited	44 YR Not Specified
Purdue	Healthcare Professional	Not Specified	

Escitalopram;Zopiclone	07-APR-2025	09-APR-2025	CA	Not Specified
23819072	CA-PURDUE-USA-2025-0316666	-	-	
Sertraline	Sertraline			
Hydrochloride;Herbals\Mitragynine	Anxiety;Depression			
Electrocardiogram Qt Prolonged;Drug Interaction Serious	Other			
Outcomes;Hospitalized	Female	-	08-APR-2025	Expedited
17 YR	Not Specified	Aurobindo	Healthcare	
Professional	Not Specified	-	31-MAR-2025	06-MAY-2024
US	Not Specified	US-AUROBINDO-AUR-APL-2024-021444		
"Truesdale N, Kaliki V, Fuller KE, Nathani Y. QTc prolongation related to kratom ingestion with underlying SSRI usage. Am-J-Med-Sci. 2024;367 (Suppl. 1):S284"				
25167106	-	Herbals\Mitragynine;Herbals	Pain	Drug
Dependence	Serious Disabled	Male	04-APR-2025	04-APR-2025
Direct	33 YR	74.25 KG	Fda-Ctu	Consumer
Not Specified	-	-	04-APR-2025	Not Specified
Y	-	-		
25147746	Promethazine	Promethazine		
Hydrochloride;Citalopram;Herbals\Mitragynine;Codeine;Nordazepam;Pipamperone;Mirtazapine;Ketamine	Product Used For Unknown Indication			
Drug Abuse	Serious Other Outcomes;Died	Male	-	
02-APR-2025	Expedited	19 YR	Not Specified	Natco
Pharma Healthcare Professional	Not Specified	Prazepam;Cannabis		
Sativa Subsp. Indica Top;Morphine	24-MAR-2025	02-APR-2025		
Not Specified	Not Specified	BE-NATCOUSA-2025-		
NATCOUSA-000273 "Breugelmans L, Boland A, Fernandez MD, Di Fazio V, Wille S. A lethal case involving purple drank and Kratom. Toxicologie Analytique et Clinique Volume 37, Issue 1, Supplement, March 2025, Page S17."				
25143321	-			
Ketamine;Herbals\Mitragynine;Codeine;Pipamperone;Nordazepam;Promethazine Hydrochloride;Citalopram;Mirtazapine	Product Used For Unknown Indication			
Indication	Drug Abuse	Serious Died;Other Outcomes	Male	
-	01-APR-2025	Expedited	19 YR	Not Specified
Strides Healthcare Professional	Not Specified	-	18-	
MAR-2025	01-APR-2025	BE	Not Specified	BE-STRIDES
ARCOLAB LIMITED-2025SP003986	"Breugelmans L, Boland A, Fernandez MDMR, Di Fazio V, Wille S.. A lethal case involving purple drank and Kratom. Toxic-Analyt-Clinique. 2025;37 (Suppl.) (1):S17"			
25141084	-	Herbals\Mitragynine	Pain	
Management;Substance Use	Withdrawal Syndrome;Drug			
Dependence;Product Use In Unapproved Indication;Product Communication				
Issue	Non-Serious	Non-Serious	Male	19-DEC-2024
MAR-2025	Direct	38 YR	83.7 KG	Fda-Ctu
Specified	Suboxone;Herbals\Mitragynine	-	30-MAR-2025	Not
Not Specified	Not Specified	-	-	-
24591508	-	Tramadol Hydrochloride;Herbals\Mitragynine		
Pain	Seizure;Toxicity To Various Agents;Drug			
Interaction;Hypokalaemia;Electrocardiogram Qt Prolonged;Cognitive Disorder	Serious Hospitalized;Other Outcomes	Male	-	

29-MAR-2025	Expedited	Not Specified	Not Specified
Graviti Pharmaceuticals	Healthcare Professional	Not Specified	
- 20-MAR-2025	08-NOV-2024	US	Not Specified
US-GRAVITIPHARMA-GRA-2410-US-LIT-0570 "Beresford T, Keffler C, Wasserstein M, Ronan P.(P0-152) Kratom Tramadol Toxicity With Seizure, Hypokalemia, Marked Q-T Prolongation, and Cognitive Impairment: A Case Report.J-Acad-Consult-Liaison-Psychiatry.2022;63 (Suppl.):S69-S70"			
25135250	-	Herbals\Mitragynine	- Drug
Dependence;Mental Impairment;Completed Suicide	Serious	Died;Other	
Outcomes	Male	-	27-MAR-2025 Direct 41 YR 76.5
KG	Fda-Ctu Consumer	Not Specified	
Albuterol;Trazodone;Tramadol	-	27-MAR-2025	Not Specified
Not Specified	-	-	
25122925	Promethazine	Citalopram;Codeine;Promethazine	
Hydrochloride;Pipamperone;Ketamine;Mirtazapine;Herbals\Mitragynine;Nor			
dazepam Product Used For Unknown Indication	Drug Abuse		
Serious Died	Male	-	26-MAR-2025 Expedited 19 YR
Not Specified	Mylan	Healthcare Professional	Not Specified
- 18-MAR-2025	26-MAR-2025	BE	Not Specified
BE-MYLANLABS-2025M1024926 "Breugelmans L, Boland A, Fernandez MDMR, Di Fazio V, Wille S. A lethal case involving purple drank and Kratom. Toxic-Analyt-Clinique 2025; 37 (Suppl.) (1): S17."			
23455182	Fluoxetine	Fluoxetine	
Hydrochloride;Herbals\Mitragynine;Bupropion;Fentanyl	Pain	Drug	
Interaction;Serotonin Syndrome	Serious Hospitalized	Male	-
26-MAR-2025	Expedited	68 YR	Not Specified Teva
Healthcare Professional	Not Specified	-	19-MAR-2025
30-JAN-2024	US	Not Specified	US-TEVA-VS-3149311
"Grundmann O, Hendrickson RG, Greenberg MI. Kratom: History, pharmacology, current user trends, adverse health effects and potential benefits. Dis-Mon 2023; 69 (6):.; Grundmann O, Hendrickson RG, Greenberg MI. Kratom: History, pharmacology, current user trends, adverse health effects and potential benefits. Dis-Mon 2023; 69 (6):."			
25113550	-	Herbals\Mitragynine	- Mental Status
Changes;Hypoxia;Pallor	Serious Hospitalized;Life Threatening	Male	
22-MAR-2025	22-MAR-2025	Direct 2 YR	13.3 KG Fda-
Ctu	Healthcare Professional	Not Specified	- 22-
MAR-2025	Not Specified	Not Specified	-
25104994	Zoloft	Sertraline	
Hydrochloride;Herbals\Mitragynine;Cyclobenzaprine;Cannabis Sativa			
Subsp. Indica Top	Pain	Serotonin Syndrome	Serious Life
Threatening;Hospitalized	Male	06-MAR-2025	21-MAR-2025
Direct	28 YR 103.5 KG	Fda-Ctu Healthcare	
Professional	Not Specified	Unspecified Ingredient;Adderall Xr	
-	21-MAR-2025	Not Specified	Not Specified -
24989322	-	Olanzapine;Herbals\Mitragynine;Hydromorphone	

Abdominal Pain;Product Used For Unknown	Indication;Schizoaffective Disorder Bipolar Type	Overdose;Renal
Impairment;Toxicity To Various Agents	Serious Died	Male -
21-MAR-2025	Expedited	44 YR Not Specified Sandoz
Healthcare Professional Not Specified	Escitalopram;Zopiclone	
20-MAR-2025	20-FEB-2025	CA Not Specified CA-
SANDOZ INC.-SDZ2025CA010384	-	-
24829679	Buspirone;Trazodone	Trazodone
Hydrochloride;Ziprasidone;Buspirone		
Hydrochloride;Desvenlafaxine;Bupropion		
Hydrochloride;Herbals\Mitragynine	Depression;Product Used For	
Unknown Indication	Drug Interaction;Serotonin Syndrome	
Serious Hospitalized;Other Outcomes	Male -	21-MAR-2025
Expedited	63 YR 102.5 KG	Graviti
Pharmaceuticals Healthcare Professional Not Specified		
Diclofenac;Tizanidine;Glimepiride;Hydrochlorothiazide;Gabapentin;Metformin;Omeprazole;Amlodipine	11-MAR-2025	10-JAN-2025 US
Not Specified	US-GRAVITIPHARMA-GRA-2501-US-	
LIT-0007	"Eudaley ST, Brooks SP, Hamilton LA..Case Report:	
Possible Serotonin Syndrome in a Patient Taking Kratom and Multiple	Serotonergic Agents..J-Pharm-Pract.2022;NA:NA"	-
25094604	-	Herbals\Mitragynine -
Vomiting;Nausea;Hypoaesthesia Oral;Dizziness;Product Formulation		
Issue;Vertigo	Serious Other Outcomes;Disabled Female	12-MAR-2025
18-MAR-2025	Direct 30 YR 58.97 KG	Fda-Ctu
Consumer	Not Specified -	18-MAR-2025 Not
Specified	Not Specified -	-
25094332	-	Herbals\Mitragynine Pain Quality Of
Life Decreased;Product Formulation Issue;Withdrawal Syndrome		
Serious Life Threatening;Other Outcomes;Disabled;Required Intervention		
Female 01-MAR-2025	18-MAR-2025	Direct 42 YR 58.5
KG Fda-Ctu Consumer	Not Specified	
Hydroxyzine;Magnesium;Methocarbamol;Lisinopril;Vitamin		
B1;Minerals\Vitamins	-	18-MAR-2025 Not Specified Not
Specified	-	-
25079224	-	Herbals\Mitragynine - Death
Serious Died Male	11-DEC-2021	14-MAR-2025 Direct 30 YR
101.25 KG	Fda-Ctu Consumer	Not Specified -
-	14-MAR-2025	Not Specified Y - -
-		
25051391	Lybalvi Olanzapine\Samidorphan L-	
Malate;Herbals\Mitragynine	Product Used For Unknown Indication	
Substance Use;Psychotic Disorder	Non-Serious Non-	
Serious Female -	07-MAR-2025	Non-Expedited Not Specified
Not Specified	Alkermes	Healthcare Professional Not
Specified	Zyprexa 26-FEB-2025	07-MAR-2025 US Not
Specified	US-ALKERMES INC.-ALK-2025-000501	- -
25021741	-	Hydromorphone
Hydrochloride;Herbals\Mitragynine;Olanzapine	Pain;Product Used For	
Unknown Indication	Toxicity To Various Agents;Renal	

Impairment;Completed Suicide;Intentional Overdose	Male	-	28-FEB-2025	Expedited	44 YR	Other
Outcomes;Died	Not Specified	Sandoz	Healthcare Professional	Not Specified		
Escitalopram;Zopiclone	26-FEB-2025	28-FEB-2025	CA			
Not Specified	CA-SANDOZ INC.-SDZ2025CA012346	-	-			
25023423	-	Herbals\Mitragynine	Depression;Drug			
Dependence	Tremor;Thyroxine Decreased;Blood Thyroid Stimulating					
Hormone Increased;Fall;Incorrect Dose						
Administered;Seizure;Hypothyroidism;Euphoric Mood						
Outcomes;Required Intervention;Disabled;Life Threatening;Hospitalized	Male	15-NOV-2022	27-FEB-2025	Direct	34 YR	83.25
KG	Fda-Ctu Consumer	Not Specified	-	-	-	27-
FEB-2025	Not Specified	Not Specified	-	-	-	-
25011290	-	Hydromorphone;Herbals\Mitragynine;Olanzapine				
Abdominal Pain;Product Used For Unknown						
Indication;Schizoaffective Disorder Bipolar Type						
Overdose;Toxicity To Various Agents;Renal Impairment	Male	-	26-FEB-2025	Expedited	44 YR	Died
Specified	Teva	Healthcare Professional	Not Specified			Not
Escitalopram;Zopiclone	20-FEB-2025	26-FEB-2025	CA			Not
Specified	CA-TEVA-VS-3303447	-	-			
25014510	-	Herbals\Mitragynine	-			Drug
Dependence	Serious Other Outcomes;Hospitalized;Required					
Intervention	Male	25-FEB-2025	25-FEB-2025	Direct	30 YR	
72.57 KG	Fda-Ctu Consumer	Not Specified	-			
-	25-FEB-2025	Not Specified	Not Specified	-		
-	-					
25007716	-	Hydromorphone				
Hydrochloride;Olanzapine;Herbals\Mitragynine						
Unknown Indication	Toxicity To Various Agents;Completed					
Suicide;Intentional Overdose;Renal Impairment	Male	-	25-FEB-2025	Expedited	44 YR	Other
Outcomes	Not Specified	Teva	Healthcare Professional	Not Specified		
Zopiclone;Escitalopram	20-FEB-2025	25-FEB-2025	CA			
Not Specified	CA-TEVA-VS-3303137	-	-			
25004799	-	Herbals\Mitragynine	Disturbance In Social			
Behaviour	Overdose	Serious Died	Female	03-AUG-2023		
23-FEB-2025	Direct	26 YR	45 KG	Fda-Ctu Consumer		
Not Specified	Cortisone	-	23-FEB-2025	Not		
Specified	Not Specified	-	-	-		
24988534	-	Olanzapine;Hydromorphone;Herbals\Mitragynine				
Abdominal Pain;Product Used For Unknown						
Indication;Schizoaffective Disorder Bipolar Type						
Various Agents;Overdose;Renal Impairment	-	20-FEB-2025	Expedited	44 YR	Not Specified	
Sandoz	Healthcare Professional	Not Specified				
Zopiclone;Escitalopram	18-FEB-2025	20-FEB-2025	CA		Not	
Specified	CA-SANDOZ INC.-SDZ2025CA010306	-	-			
23690471	-	Herbals\Mitragynine;Olanzapine;Hydromorphone				
Hydrochloride	Pain;Product Used For Unknown Indication					

Suspected Suicide;Overdose;Renal Impairment;Herbal Interaction;Renal  
 Failure;Toxicity To Various Agents;Intentional Overdose;Completed  
 Suicide Serious Died;Other Outcomes Male - 19-FEB-2025  
 Expedited 44 YR Not Specified Sandoz Healthcare  
 Professional Not Specified Zopiclone;Olanzapine;Escitalopram  
 18-FEB-2025 01-APR-2024 CA Not Specified CA-  
 SANDOZ INC.-SDZ2024CA034056 - -  
 24979676 Valium;Suboxone Buprenorphine Hydrochloride\Naloxone  
 Hydrochloride;Meprobamate;Caffeine;Diazepam;Carisoprodol;Herbals\Mitragynine;Etizolam Product Used For Unknown Indication Toxicity To  
 Various Agents;Impaired Driving Ability;Drug Dependence Serious Other  
 Outcomes Male - 18-FEB-2025 Expedited 26 YR  
 Not Specified Ranbaxy Healthcare Professional Not Specified  
 - 04-FEB-2025 18-FEB-2025 US Not Specified  
 US-SUN PHARMACEUTICAL INDUSTRIES  
 LTD-2025R1-494502 "Papsun DM, Chan-Hosokawa A, Lamb ME, Logan B.  
 Increasing prevalence of designer benzodiazepines in impaired driving:  
 A 5-year analysis from 2017 to 2021. J Anal Toxicol.  
 2023;47(8):668-679" -  
 24985527 - Herbals\Mitragynine Pain;Weight Decreased  
 Product Use In Unapproved Indication;Euphoric Mood;Disturbance  
 In Attention;Vomiting;Self-Medication Non-Serious Non-Serious  
 Female 14-FEB-2025 17-FEB-2025 Direct 39 YR 101.25  
 KG Fda-Ctu Consumer Not Specified - - 17-  
 FEB-2025 Not Specified Not Specified - - Yes  
 24973746 Percocet;Alcohol (Alcohol)  
 Alcohol;Acetaminophen\Oxycodone  
 Hydrochloride;Clonazepam;Herbals\Mitragynine Product Used For  
 Unknown Indication Completed Suicide Serious Died Female  
 2023 17-FEB-2025 Expedited 38 YR Not Specified  
 Endo Healthcare Professional Not Specified - 21-  
 JAN-2025 17-FEB-2025 US Not Specified "US-ENDO USA,  
 INC.-2025-000402" "Gummin DD, Mowry JB, Beuhler MC, Spyker DA,  
 Rivers LJ, Feldman R, et al.. 2023 Annual Report of the National  
 Poison Data System (NPDS) from America's Poison Centers: 41st Annual  
 Report. Clinical Toxicology. 2024;1-235" -  
 24903738 -  
 Lorazepam;Quetiapine;Lithium;Herbals\Mitragynine Bipolar  
 Disorder;Mania;Toothache Sedation;Psychotic Symptom;Treatment  
 Noncompliance;Intentional Product Misuse;Mania Serious Hospitalized  
 Female - 13-FEB-2025 Expedited 69 YR Not  
 Specified Teva Healthcare Professional Not Specified -  
 04-FEB-2025 30-JAN-2025 UA Not Specified UA-  
 TEVA-VS-3290374 "Bachu AK, Singal P, Griffin B, Harbaugh L, Prasad S,  
 Jain L, et al. Kratom use and mental health: A systematic literature  
 review and case example. [Review]. J-Addict-Dis 2024; 42 (4):  
 301-312.; Bachu AK, Singal P, Griffin B, Harbaugh L, Prasad S, Jain L,  
 et al. Kratom use and mental health: A systematic literature review  
 and case example. [Review]. J-Addict-Dis 2024; 42 (4): 301-312.; Bachu  
 AK, Singal P, Griffin B, Harbaugh L, Prasad S, Jain L, et al. Kratom

use and mental health: A systemati..." -

24900535	-	Herbals\Mitragynine	Anxiety Toxicity To
Various Agents	Serious Died	Female	26-AUG-2024 29-JAN-2025
Direct	41 YR 48.15 KG	Fda-Ctu Consumer	Not
Specified	-	29-JAN-2025	Not Specified Not
Specified	-	-	-
24889954	-	Herbals\Mitragynine	- Substance
Use;Mouth Haemorrhage	Serious Died	Male	12-APR-2024 24-
JAN-2025	Direct 27 YR	Not Specified	Fda-Ctu Consumer
Not Specified	-	-	24-JAN-2025 Not Specified
Not Specified	-	-	-
24869696	-	Herbals\Mitragynine	- Toxicity To
Various Agents	Serious Died	Male	- 20-JAN-2025 Direct
25 YR	74.7 KG	Fda-Ctu Consumer	Not Specified -
-	20-JAN-2025	Not Specified	Not Specified -
-	-	-	-
24868050	-	Herbals\Mitragynine	Anxiety;Depression
Seizure	Serious Other Outcomes	Male	18-NOV-2024 20-
JAN-2025	Direct 29 YR 72 KG	Fda-Ctu Consumer	Not
Specified	Lexapro;Wellbutrin	-	20-JAN-2025 Not
Specified	Not Specified	-	-
24853253	-	Oxycodone;Herbals\Mitragynine;Gabapentin	
Product Used For	Unknown Indication	Drug Abuse	
Serious Died;Other Outcomes	Female	-	17-JAN-2025
Expedited	64 YR	Not Specified	Apotex Healthcare
Professional	Not Specified	-	06-JAN-2025 17-JAN-2025
US	Not Specified	US-APOTEX-2025AP000914	"Gummin DD,
Mowry JB, Beuhler MC, Spyker DA, Rivers LJ, Feldman R, Brown K, Pham			
NPT, Bronstein AC, DesLauriers C.. 2023 Annual Report of the National			
Poison Data System (NPDS) from America's Poison Centers: 41st Annual			
Report. Clinical Toxicology. 2024;62 (12):793-1027"			-
24856780	-	Herbals\Mitragynine	Pain Near Death
Experience;Substance Use	Serious Life Threatening;Disabled		
Female	28-DEC-2024	16-JAN-2025	Direct 36 YR Not
Specified	Fda-Ctu Consumer	Not Specified	- -
16-JAN-2025	Not Specified	Y	- - -
24850249	-	Herbals\Mitragynine	Product Used For
Unknown Indication	Incoherent;Vomiting;Skin Fissures;Memory		
Impairment;Withdrawal Syndrome;Dry Skin;Drug Dependence;Eating			
Disorder;Loss Of Personal Independence In Daily Activities;Insomnia			
Serious Life Threatening;Disabled;Other Outcomes;Required			
Intervention;Hospitalized	Male	13-JAN-2025	16-JAN-2025
Direct	42 YR	Not Specified	Fda-Ctu Consumer Not
Specified	-	-	16-JAN-2025 Not Specified Not
Specified	-	-	-
24850096	-	Olanzapine;Herbals\Mitragynine;Hydromorphone	
Hydrochloride	Pain;Product Used For Unknown Indication		Renal
Impairment;Overdose;Toxicity To Various Agents;Completed Suicide			
Serious Other Outcomes;Died	Male	-	16-JAN-2025
Expedited	44 YR	Not Specified	Fresenius Kabi



Healthcare Professional Not Specified	Zopiclone;Escitalopram	06-JAN-2025	16-JAN-2025	CA	Not Specified	CA-
FreseniusKabi-FK202500275	-	-	-	-	-	-
24848465	Salicylates Nos Unspecified					
Ingredient;Acetaminophen;Herbals\Mitragynine	Product Used For					
Unknown Indication	Drug Abuse	Serious	Died;Other Outcomes			
Female	-	16-JAN-2025	Expedited	65 YR	Not	
Specified	Apotex	Healthcare Professional	Not Specified	-		
06-JAN-2025	16-JAN-2025	US	Not Specified	US-		
APOTEX-2025AP000444	"Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Rivers LJ, Feldman R, Brown K, Pham NPT, Bronstein AC, DesLauriers C.. 2023 Annual Report of the National Poison Data System (NPDS) from America's Poison Centers: 41st Annual Report. Clinical Toxicology. 2024;62 (12):793-1027"	-				
24849694	-	Herbals\Mitragynine	Insomnia;Pain			
Suspected Product Contamination;Illness	Serious	Hospitalized	Not			
Specified	15-JAN-2025	15-JAN-2025	Direct	25 YR	54 KG	
Fda-Ctu Consumer	Not Specified	-	-	15-		
JAN-2025	Not Specified	Not Specified	-	-	-	
24845662	-	Herbals\Mitragynine	-	Illness		
Serious Disabled;Other Outcomes	Female	14-JAN-2025	15-JAN-2025			
Direct	36 YR	Not Specified	Fda-Ctu Consumer	Not		
Specified	-	15-JAN-2025	Not Specified	Y		
-	-	-				
24840161	-	Herbals\Mitragynine;Gabapentin;Fentanyl				
Product Used For Unknown Indication	Drug Abuse	Serious				
Died;Other Outcomes	Male	-	14-JAN-2025	Expedited		
49 YR	Not Specified	Apotex	Healthcare Professional	Not		
Specified	-	06-JAN-2025	14-JAN-2025	US	Not	
Specified	US-APOTEX-2025AP000336	"Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Rivers LJ, Feldman R, Brown K, Pham NPT, Bronstein AC, DesLauriers C.. 2023 Annual Report of the National Poison Data System (NPDS) from America's Poison Centers: 41st Annual Report. Clinical Toxicology. 2024;62 (12):793-1027"	-			
24836753	-	Acetaminophen;Aspirin;Herbals\Mitragynine				
-	Toxicity To Various Agents;Drug Abuse	Serious	Other			
Outcomes;Died	Female	-	13-JAN-2025	Expedited	65 YR	
Not Specified	Bayer	Healthcare Professional	Not Specified			
-	06-JAN-2025	13-JAN-2025	US	Not Specified		
US-BAYER-2025A003194	"Gummin D D, Mowry J B, Beuhler M C, Spyker D A, Rivers L J, Feldman R, Brown K, Pham N P T, Bronstein A C, DesLauriers C.. 2023 Annual Report of the National Poison Data System® (NPDS) from America's Poison Centers®: 41st Annual Report. Clinical Toxicology. 2024;62:793-1027"	-				
24830903	Salicylates Nos Unspecified					
Ingredient;Acetaminophen;Herbals\Mitragynine	Drug Abuse;Product					
Used For Unknown Indication	Exposure To Toxic Agent	Serious	Died			
Female	2023	10-JAN-2025	Expedited	65 YR	Not	
Specified	Galpharm International	Healthcare Professional	Not			
Specified	-	06-JAN-2025	10-JAN-2025	US	Not	

Specified	US-PERRIGO-25US000416	-	-			
24828533	-	Fentanyl;Herbals\Mitragynine;Cyclobenzaprine				
	Product Used For Unknown Indication	Drug Abuse				
Serious Died;Other Outcomes	Female	-	10-JAN-2025			
Expedited	37 YR Not Specified	Apotex Healthcare				
Professional	Not Specified	-	06-JAN-2025	10-JAN-2025		
US	Not Specified	US-APOTEX-2025AP000265	"Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Rivers LJ, Feldman R, Brown K, Pham NPT, Bronstein AC, DesLauriers C. 2023 Annual Report of the National Poison Data System (NPDS) from America's Poison Centers: 41st Annual Report. Clinical Toxicology. 2024;62 (12):793-1027"	-		
24827139	-	Herbals\Mitragynine	Depression;Stress			
	Drug Dependence;Toxicity To Various Agents	Serious Died				
Male	20-APR-2020	09-JAN-2025	Direct	32 YR	74.25	
KG	Fda-Ctu Consumer	Not Specified	-	-	09-	
JAN-2025	Not Specified	Not Specified	-	-	-	
24810286	-	Fentanyl;Herbals\Mitragynine;Gabapentin				
	Product Used For Unknown Indication	Drug Abuse	Serious			
Died;Other Outcomes	Male	-	06-JAN-2025	Expedited		
	49 YR Not Specified	Aveva Healthcare Professional	Not Specified			
	-	24-DEC-2024	06-JAN-2025	US	Not Specified	
	US-AVEVA-001308	"Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Rivers LJ, Feldman R, Brown K, Pham NPT, Bronstein AC, DesLauriers C. 2023 Annual Report of the National Poison Data System (NPDS) from Americas Poison Centers 41st Annual Report. Clin Toxicol (Phila). 2024 Dec 17:1-35. doi: 10.1080/15563650.2024.2412423. Epub ahead of print."	-			
24807438	-	Herbals\Mitragynine;Fentanyl;Methamphetamine				
	Product Used For Unknown Indication	Drug Abuse				
Serious Other Outcomes;Died	Male	-	05-JAN-2025			
Expedited	40 YR Not Specified	Aveva Healthcare				
Professional	Not Specified	-	24-DEC-2024	05-JAN-2025		
US	Not Specified	US-AVEVA-001197	"Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Rivers LJ, Feldman R, Brown K, Pham NPT, Bronstein AC, DesLauriers C. 2023 Annual Report of the National Poison Data System (NPDS) from Americas Poison Centers 41st Annual Report. Clin Toxicol (Phila). 2024 Dec 17:1-35. doi: 10.1080/15563650.2024.2412423. Epub ahead of print."	-		
24807325	-	Herbals\Mitragynine;Fentanyl;Cyclobenzaprine				
	Product Used For Unknown Indication	Drug Abuse				
Serious Other Outcomes;Died	Female	-	05-JAN-2025			
Expedited	37 YR Not Specified	Aveva Healthcare				
Professional	Not Specified	-	24-DEC-2024	05-JAN-2025		
US	Not Specified	US-AVEVA-001150	"Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Rivers LJ, Feldman R, Brown K, Pham NPT, Bronstein AC, DesLauriers C. 2023 Annual Report of the National Poison Data System (NPDS) from Americas Poison Centers 41st Annual Report. Clin Toxicol (Phila). 2024 Dec 17:1-35. doi: 10.1080/15563650.2024.2412423. Epub ahead of print."	-		
24807204	-	Fentanyl;Herbals\Mitragynine	Product Used			

For Unknown Indication Drug Abuse Serious Died;Other Outcomes  
 Male - 05-JAN-2025 Expedited 35 YR Not  
 Specified Aveva Healthcare Professional Not Specified -  
 24-DEC-2024 05-JAN-2025 US Not Specified US-  
 AVEVA-001078 "Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Rivers  
 LJ, Feldman R, Brown K, Pham NPT, Bronstein AC, DesLauriers C. 2023  
 Annual Report of the National Poison Data System (NPDS) from Americas  
 Poison Centers 41st Annual Report. Clin Toxicol (Phila). 2024 Dec  
 17:1-35. doi: 10.1080/15563650.2024.2412423. Epub ahead of print."

24801330 - Methamphetamine;Fentanyl;Herbals\Mitragynine  
 Product Used For Unknown Indication Drug Abuse  
 Serious Died;Other Outcomes Male - 02-JAN-2025  
 Expedited 31 YR Not Specified Aveva Healthcare  
 Professional Not Specified - 24-DEC-2024 02-JAN-2025  
 US Not Specified US-AVEVA-000984 "Gummin DD, Mowry JB,  
 Beuhler MC, Spyker DA, Rivers LJ, Feldman R, Brown K, Pham NPT,  
 Bronstein AC, DesLauriers C. 2023 Annual Report of the National Poison  
 Data System (NPDS) from Americas Poison Centers 41st Annual Report.  
 Clin Toxicol (Phila). 2024 Dec 17:1-35. doi:  
 10.1080/15563650.2024.2412423. Epub ahead of print." -

24789166 - Olanzapine;Herbals\Mitragynine;Hydromorphone  
 Hydrochloride Pain;Product Used For Unknown Indication  
 Completed Suicide;Toxicity To Various Agents;Renal Impairment;Overdose  
 Serious Other Outcomes;Died Male - 30-DEC-2024  
 Expedited 44 YR Not Specified Teva Healthcare  
 Professional Not Specified Zopiclone;Escitalopram 23-DEC-2024  
 30-DEC-2024 CA Not Specified CA-TEVA-VS-3280979

24789696 - Herbals\Mitragynine - Diarrhoea;Drug  
 Dependence;Withdrawal Syndrome;Insomnia;Vision  
 Blurred;Chills;Pyrexia;Hyperhidrosis Serious Other Outcomes Male  
 25-DEC-2024 29-DEC-2024 Direct 49 YR 121.5 KG  
 Fda-Ctu Consumer Not Specified - - 29-  
 DEC-2024 Not Specified Not Specified - - -

24785048 Klonopin  
 Lithium;Clonazepam;Cannabidiol\Herbals\Tetrahydrocannabinol  
 Unspecified;Herbals\Mitragynine - Lethargy;Drug  
 Interaction;Mental Status Changes Serious Required Intervention  
 Female 03-DEC-2024 26-DEC-2024 Direct Not Specified  
 Not Specified Fda-Ctu Consumer Not Specified -  
 - 26-DEC-2024 Not Specified Not Specified -

24782778 - Herbals\Mitragynine - Road Traffic  
 Accident;Personality Change;Seizure;Drug Dependence Serious  
 Hospitalized;Other Outcomes Male 18-NOV-2024 26-DEC-2024  
 Direct 29 YR 67.5 KG Fda-Ctu Consumer Not Specified  
 Wellbutrin;Lexapro;Melatonin - 26-DEC-2024 Not  
 Specified Not Specified - - -  
 24770968 - Herbals\Mitragynine;Gabapentin;Fentanyl

Product Used For Unknown Indication	Drug Abuse	Serious
Died;Other Outcomes	Not Specified	24-DEC-2024
Expedited	Not Specified	Glenmark
Healthcare Professional	Not Specified	18-DEC-2024
24-DEC-2024	US	Not Specified
US-GLENMARK		
PHARMACEUTICALS-2024GMK096557 "Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Rivers LJ, Feldman R et al. 2023 Annual Report of the National Poison Data System (NPDS) from America's Poison Centers: 41st Annual Report. Clinical Toxicology. 2024;2-235" - 24668900 Trazodone;Risperdal;Sertraline Sertraline Hydrochloride;Quetiapine;Risperidone;Trazodone Hydrochloride;Olanzapine;Herbals\Mitragynine		
Product Used For Unknown Indication;Psychotic Disorder	Toxicity To Various Agents	
Serious Died	Female	18-DEC-2024
Not Specified	Not Specified	Aurobindo
Professional	Not Specified	03-DEC-2024
CZ	Not Specified	CZ-AUROBINDO-AUR-APL-2024-057051
"Bursova M, Horak V, Syuparek Z, Yerna I.. Deaths associated with Kratom use. Proceedings. 2024; 93(Military Medicine Science Letters, Suppl. 1, 22nd conference of the military medicine society CLS JEP, - 6 November 2024):5. 2024;SUPPL.. UVN Prague 5. 2024;1:5-6."		
-		
21711740	Hydroxyzine	Hydroxyzine
Hydrochloride;Benzoylcegonine;Herbals\Tetrahydrocannabinol		
Unspecified;Gabapentin;Herbals\Mitragynine;Cyclobenzaprine		-
Dyspnoea;Overdose	Serious Died	Not Specified
17-DEC-2024	Expedited	Not Specified
Cipla	Healthcare Professional	Not Specified
DEC-2024	12-DEC-2022	US
LTD.-2022US07066		Not Specified
"Papsun DM, Krotulski AJ, Homan J, Temporal KDH, Logan BK. Flualprazolam Blood Concentrations in 197 Forensic Investigation Cases. Journal of Analytical Toxicology. 2021;45:226 to 232"		-
24667039	Sertraline;Trazodone	Quetiapine;Trazodone
Hydrochloride;Risperidone;Olanzapine;Sertraline		
Hydrochloride;Herbals\Mitragynine		
Toxicity To Various Agents	Serious Died	Female
DEC-2024	Expedited	Not Specified
Healthcare Professional	Not Specified	-
26-NOV-2024	CZ	Not Specified
MYLANLABS-2024M1105271		CZ-
"Bursova M, Horak V, Syuparek Z, Yerna I.. Deaths associated with Kratom use. Proceedings. 22nd conference of the military medicine society CLS JEP. 2024;1 (93):5-6" - 24726792 - Herbals\Mitragynine Arthritis;Asthenia Nightmare;Product Complaint;Hot Flush;Pain;Fatigue;Asthenia;Withdrawal Syndrome;General Physical Health Deterioration;Insomnia;Flushing;Vomiting;Gastroenteritis Salmonella;Depression;Diarrhoea		
Serious Hospitalized	Female	04-DEC-2024
11-DEC-2024	Direct	58 YR
Ctu	Consumer	Not Specified
		-
		11-DEC-2024

24703335	Not Specified	Not Specified	-	-	-	
	Trazodone;Risperdal;Sertraline Sertraline Hydrochloride;Trazodone Hydrochloride;Risperidone;Herbals\Mitragynine;Quetiapine;Olanzapine					
	Product Used For Unknown Indication			Toxicity To Various Agents		
	Serious Died	Female -	05-DEC-2024	Expedited		
	Not Specified	Not Specified	Johnson And Johnson			
	Healthcare Professional	Not Specified	-	05-DEC-2024	05-DEC-2024	
	CZ	Not Specified	CZ-			
JNJF0C-20241212275	"Bursova M, Cerna I, Horak V, et al. Umrti spojene s uzitim Kratomu. Sbornik. 2024; 93(Military Medicine Science Letters, Suppl. 1, 22. konference spolecnosti vojenske mediciny CLS JEP, UVN Praha 5.-6.11.2024):5." -					
24695994	Alcohol (Alcohol)					
	Alcohol;Lidocaine;Alprazolam;Cocaine;Etizolam;Fentanyl;Herbals\Mitragynine;Cannabinol;Methamphetamine Product Used For Unknown Indication					
	Toxicity To Various Agents	Serious Died	Not Specified			
	-	04-DEC-2024	Expedited	Not Specified	Not Specified	
	Specified	Alembic Healthcare Professional	Not Specified	-		
	22-NOV-2024	04-DEC-2024	US	Not Specified	US-	
ALEMBIC PHARMACUETICALS LIMITED-2024SCAL001756	"Yu J, Diekhans K, Tsang A, Rodda L.N. Fluorofentanyl and novel synthetic opioids in accidental overdose deaths. Journal of Analytical Toxicology. 2024;48(8):573-581" -					
24695059	-	Herbals\Mitragynine	Depression	Drug Dependence		
	Serious	Required Intervention;Other Outcomes		Female		
	01-MAR-2024	04-DEC-2024	Direct 40 YR	58.5 KG	Fda-	
Ctu	Consumer	Not Specified	Clonidine	-	04-	
DEC-2024	Not Specified	Not Specified	-	-	-	
24006620	Lybalvi Olanzapine\Samidorphan L-Malate;Herbals\Mitragynine Product Used For Unknown Indication					
	Substance Use;Drug Withdrawal Syndrome	Non-Serious	Non-Serious			
	Serious Female -	04-DEC-2024	Non-Expedited	Not Specified		
	Not Specified	Alkermes	Healthcare Professional	Not Specified		
	Specified	-	09-JUN-2024	24-JUN-2024	US	Not Specified
	Specified	US-ALKERMES INC.-ALK-2024-001590	-	-	-	
24530494	-					
	Nefopam;Aripiprazole;Cannabidiol;Tramadol;Trimeprazine;Loxapine;Diazepam;Herbals\Mitragynine;Tropatepine Hydrochloride Product Used For Unknown Indication					
	Death	Serious Died	Male	AUG-2024		
	03-DEC-2024	Expedited	27 YR	Not Specified	Mylan	
	Healthcare Professional	Not Specified	-	26-NOV-2024		
	21-OCT-2024	FR	Not Specified	FR-		
MYLANLABS-2024M1094207	-	-				
24538022	-					
	Cannabidiol;Diazepam;Tramadol;Herbals\Mitragynine;Loxapine;Trimeprazine;Tropatepine Hydrochloride;Nefopam;Aripiprazole Product Used For Unknown Indication					
	Death	Serious Other Outcomes;Died	Male			
	AUG-2024	29-NOV-2024	Expedited	27 YR	Not Specified	
	Specified	Aurobindo	Healthcare Professional	Not Specified		

-	16-NOV-2024	23-OCT-2024	FR	Not Specified
FR-AUROBINDO-AUR-APL-2024-051027	-	-	-	-
24670817	-	Herbals\Mitragynine	-	Impaired
Driving Ability;Pruritus;Initial Insomnia;Poisoning;Ear Discomfort;Dizziness;Nausea;Gait Inability;Vision Blurred;Euphoric Mood;Abdominal Pain Upper				
23-NOV-2024	27-NOV-2024	Direct	41 YR	96.75 KG
Fda-Ctu Consumer	Not Specified	Iron	-	27-
NOV-2024	Not Specified	Not Specified	-	-
24543384	-	-	-	-
Loxapine;Herbals\Mitragynine;Trimeprazine;Nefopam Hydrochloride;Cannabidiol;Aripiprazole;Diazepam;Tramadol;Tropatepine Hydrochloride				
Product Used For Unknown Indication	Death	Serious Died	Not Specified	AUG-2024
25-NOV-2024	Expedited	Not Specified	Not Specified	Zydus Pharm
Healthcare Professional	Not Specified	-	18-NOV-2024	24-
OCT-2024	FR	Not Specified	FR-CADILA HEALTHCARE LIMITED-	FR-ZYDUS-113782
-	-	-	-	-
24660433	-	Herbals\Mitragynine	Pain	-
Asthenia;Weight Decreased;Withdrawal Syndrome				
Male	18-NOV-2024	24-NOV-2024	Direct	53 YR
87.75 KG	Fda-Ctu Consumer	Not Specified	-	-
Metoprolol;Levothyroxine	-	24-NOV-2024	Not Specified	-
Not Specified	-	-	-	-
24450876	-	-	-	-
Cannabidiol;Diazepam;Trimeprazine;Loxapine;Aripiprazole;Tropatepine Hydrochloride;Nefopam;Tramadol;Herbals\Mitragynine				
Product Used For Unknown Indication	Death	Serious Died;Other Outcomes	Male	-
AUG-2024	22-NOV-2024	Expedited	27 YR	Not Specified
Otsuka	Healthcare Professional	Not Specified	-	-
19-NOV-2024	17-OCT-2024	FR	Not Specified	FR-
OTSUKA-2024_028211	-	-	-	-
24654444	-	Herbals\Mitragynine	Drug Abuse	Drug Dependence
Serious	Other Outcomes;Required	Intervention	Male	-
21-NOV-2024	21-NOV-2024	Direct	16 YR	76.5 KG
Fda-Ctu Consumer	Not Specified	-	-	21-NOV-2024
Not Specified	Not Specified	-	-	-
24611478	Risperdal;Trazodone;Sertraline	Sertraline	-	-
Hydrochloride;Trazodone				
Hydrochloride;Risperidone;Quetiapine;Olanzapine;Herbals\Mitragynine				
Psychotic Disorder	Toxicity To Various Agents	Serious Died	Female	-
13-NOV-2024	Expedited	Not Specified	Not Specified	Johnson And Johnson
Healthcare Professional	Not Specified	-	07-NOV-2024	13-NOV-2024
CZ	Not Specified	CZ-JNJFC-20241127742	-	-
24613402	-	Herbals\Mitragynine	Anxiety Restless Legs Syndrome	-
Serious Disabled	Male	01-JAN-2023	12-	-
NOV-2024	Direct	34 YR	58.5 KG	Fda-Ctu Consumer
Not Specified	Sertraline;Strattera	-	12-NOV-2024	Not Specified
Not Specified	Not Specified	-	-	-

24608517	-	Herbals\Mitragynine	Arthritis				
Vomiting;Abdominal Pain Upper;Influenza Like Illness;Asthenia;Feeling Cold							
	Serious	Hospitalized	Female	10-JUN-2023	12-NOV-2024		
	Direct	57 YR	94.5 KG	Fda-Ctu Consumer		Not Specified	
	-	-	12-NOV-2024	Not Specified		Not Specified	
	-	-	-				
24608643	-	Herbals\Mitragynine	-				
Tremor;Constipation;Dependence;Nausea;Drug Withdrawal Syndrome;Irritability;Vomiting;Cognitive Disorder;Substance Use;Abdominal Distension;Night Sweats							
	Serious	Other Outcomes	Male				
	10-NOV-2024	11-NOV-2024	Direct	48 YR	220 LB	Fda-Ctu	
	Healthcare Professional	Not Specified	-	-	-	11-NOV-2024	
	Not Specified	Not Specified	-	-	-	-	
24423784	-	Herbals\Mitragynine;Olanzapine;Hydromorphone					
Abdominal Pain;Product Used For Unknown Indication;Schizoaffective Disorder Bipolar Type							
	Renal						
Impairment;Toxicity To Various Agents;Overdose							
	Serious	Died	Male				
	2022	05-NOV-2024	Expedited	44 YR	Not Specified		
	Teva	Healthcare Professional	Not Specified				
Zopiclone;Escitalopram							
	30-SEP-2024	10-OCT-2024	CA	Not Specified			
	CA-TEVA-VS-3251357	"Shi T, Shea JL. A case of fatal overdose involving both hydromorphone and kratom. J-Forensic-Sci 2023; 69 355-358.; Shi T, Shea JL. A case of fatal overdose involving both hydromorphone and kratom. J-Forensic-Sci 2023; 69 355-358.; Shi T, Shea JL. A case of fatal overdose involving both hydromorphone and kratom. J-Forensic-Sci 2023; 69 355-358."	-				
24576225	-	Herbals\Mitragynine	-			Therapy Non-	
Responder;Nonspecific Reaction;Physical Product Label Issue;Lethargy;Feeling Abnormal;Dizziness							
	Serious	Other Outcomes					
	Male	03-NOV-2024	03-NOV-2024	Direct	79 YR	111.6 KG	
	Fda-Ctu Consumer	Not Specified	-	-	-	03-NOV-2024	
	Not Specified	Y	-	-	-	-	
24570228	-	Herbals\Mitragynine	Product Use Issue				
Generalised Tonic-Clonic Seizure;Substance Use							
	Serious	Other					
Outcomes;Hospitalized							
	Male	-	30-OCT-2024	Direct	24 YR		
	67.5 KG	Fda-Ctu Consumer	Not Specified				
Suboxone;Creatine							
	-	30-OCT-2024	Not Specified			Not Specified	
	-	-	-				
24563829	-						
Herbals\Mitragynine;Cannabidiol;Nefopam;Aripiprazole;Benzodiazepine;Tr opatepine Hydrochloride;Tramadol;Loxapine;Diazepam;Trimeprazine							
Product Used For Unknown Indication							
	Death	Serious	Died	Male			
	AUG-2024	30-OCT-2024	Expedited	27 YR	Not Specified		
	Teva	Healthcare Professional	Not Specified	-			
	21-OCT-2024	30-OCT-2024	FR	Not Specified	FR-		
TEVA-VS-3256806	-	-					
24544430	-	Herbals\Mitragynine;Hydromorphone					
Hydrochloride;Olanzapine							
Pain;Product Used For Unknown Indication							
	Completed Suicide;Renal Impairment;Toxicity To Various Agents;Intentional Overdose	Serious	Died	Male	-	24-	

OCT-2024	Expedited	44 YR	Not Specified	Cheplapharm		
	Healthcare Professional	Not Specified	Zopiclone;Escitalopram			
17-OCT-2024	24-OCT-2024	CA	Not Specified	CA-		
CHEPLA-2024013332	Unknown.	Unknown.	Unknown	-		
24535031	-	Herbals\Mitragynine	-	Withdrawal		
Syndrome;Product	Advertising Issue	Serious	Required	Intervention		
Female	14-SEP-2024	21-OCT-2024	Direct	33 YR	81 KG	
Fda-Ctu	Consumer	Not Specified	-	-	21-	
OCT-2024	Not Specified	Not Specified	-	-	-	
24446899	-					
Herbals\Mitragynine;Diazepam;Loxapine;Trimeprazine;Aripiprazole;Tropat						
epine Hydrochloride;Cannabidiol;Tramadol;Nefopam Hydrochloride						
Product Used For	Unknown Indication	Death	Serious	Died	Male	
AUG-2024	16-OCT-2024	Expedited		27 YR	Not	
Specified	Bausch And Lomb	Healthcare Professional	Not Specified			
-	13-OCT-2024	16-OCT-2024	FR	Not Specified		
FR-BAUSCH-BL-2024-015269	-	-				
24446418	Sublocade;Suboxone	Buprenorphine				
Hydrochloride\Naloxone Hydrochloride;Herbals\Mitragynine;Buprenorphine						
Drug Dependence	Drug Half-Life Increased;Drug Screen					
Positive;Withdrawal Syndrome;Panic						
Attack;Dependence;Depression;Anhedonia;Rebound Effect			Serious			
Hospitalized	Male	30-AUG-2023	15-OCT-2024	Direct	36 YR	
81 KG	Fda-Ctu	Consumer	Not Specified	-	-	
15-OCT-2024	Not Specified	Y	-	-	Yes	
24437297	-	Herbals\Mitragynine	Drug Abuse			
Headache;Loss Of Personal Independence In Daily						
Activities;Diarrhoea;Tachycardia;Vomiting			Serious	Other Outcomes		
Male	10-OCT-2024	11-OCT-2024	Direct	28 YR	76.5	
KG	Fda-Ctu	Healthcare Professional	Not Specified	-	-	
11-OCT-2024	Not Specified	Not Specified	-	-	-	
-						
24428948	-	Herbals\Mitragynine;Propranolol Hydrochloride				
Product Used For	Unknown Indication	Cardio-Respiratory				
Arrest;Completed Suicide;Toxicity To Various Agents		Serious	Died			
Female	2022	11-OCT-2024	Expedited	25 YR	Not	
Specified	Northstar	Healthcare Professional	Not Specified			
-	30-SEP-2024	11-OCT-2024	US	Not Specified		
US-NORTHSTAR RX LLC-US-2024NSR000084	"Gummin DD, Mowry JB,					
Beuhler MC, Spyker DA, Bronstein AC, Rivers LJ, et al..	2022 Annual					
Report of the National Poison Data System© (NPDS) from America's						
Poison Centers: 40th Annual Report. Clinical Toxicology.						
2022;61(10):717-939"	-					
24417459	-	Herbals\Mitragynine;Inulin				
Gastrointestinal Disorder		Agitation;Laboratory Test				
Abnormal;Nausea;Nightmare;Fatigue;Depression		Serious	Disabled			
Female	24-JUN-2024	08-OCT-2024	Direct	70 YR	101.25	
KG	Fda-Ctu	Consumer	Not Specified	Azo	-	08-
OCT-2024	Not Specified	Not Specified	-	-	-	
24409547	-	Methylphenidate				



Hydrochloride;Etizolam;Cannabidiol;Herbals\Mitragynine;Diazepam  
Product Used For Unknown Indication      Accidental Overdose;Toxicity  
To Various Agents      Serious Died      Male      25-MAR-2024      08-  
OCT-2024      Expedited      28 YR      Not Specified      Sandoz  
Consumer      Not Specified      -      19-JUL-2024      08-OCT-2024  
AU      Not Specified      AU-SANDOZ INC.-SDZ2024AU085433      -  
-  
24340583      Sertraline      Sertraline  
Hydrochloride;Levothyroxine;Buprenorphine;Herbals\Mitragynine  
Anxiety;Hypothyroidism;Opioid Sparing Treatment;Relaxation Therapy  
Drug Withdrawal Syndrome  
Neonatal;Hypernatraemia;Ichthyosis;Generalised Tonic-Clonic  
Seizure;Drug Withdrawal Syndrome;Foetal Exposure During Pregnancy  
Serious Life Threatening;Congenital Anomaly;Hospitalized  
Male      -      04-OCT-2024      Expedited      Not Specified  
Not Specified      Teva      Healthcare Professional      Not Specified  
-      26-SEP-2024      19-SEP-2024      US      Not Specified  
US-TEVA-VS-3243128      "Spungen HH, Mody K, Micetic B, Wade  
C, Kang AM. Neonatal and Maternal Ichthyosiform Dermopathy in  
Association with Kava Use during Pregnancy. J-Med-Toxicol 2024;.;  
Spungen HH, Mody K, Micetic B, Wade C, Kang AM. Neonatal and Maternal  
Ichthyosiform Dermopathy in Association with Kava Use during  
Pregnancy. J-Med-Toxicol 2024;.; Spungen HH, Mody K, Micetic B, Wade  
C, Kang AM. Neonatal and Maternal Ichthyosiform Dermopathy in  
Association with Kava Use during Pregnancy. J-Med-Toxicol 2024;.;"  
-  
23055792      -      Olanzapine;Herbals\Mitragynine;Hydromorphone  
Pain;Product Used For Unknown Indication      Toxicity To  
Various Agents;Overdose Serious Died      Male      -      04-OCT-2024  
Expedited      44 YR      Not Specified      Ranbaxy Healthcare  
Professional      Not Specified      Escitalopram;Zopiclone      20-SEP-2024  
11-OCT-2023      CA      Not Specified      CA-SUN PHARMACEUTICAL  
INDUSTRIES LTD-2023R1-411979      "Shi T, Shea LJ. A case of fatal  
overdose involving both hydromorphone and kratom. J Forensic Sci.  
2023;Sep 27; 69:355-358"  
-  
24397937      -      Herbals\Mitragynine      Pain      Substance  
Use;Overdose      Serious Died      Male      21-AUG-2024      03-OCT-2024  
Direct      32 YR      98.55 KG      Fda-Ctu Consumer      Not  
Specified      -      -      03-OCT-2024      Not Specified      Not  
Specified      -      -      -  
24377559      -      Herbals\Mitragynine      Insomnia      Cold  
Sweat;Tremor;Impaired Driving Ability;Nausea;Coordination  
Abnormal;Vision Blurred      Serious Other Outcomes;Life Threatening Male  
28-SEP-2024      28-SEP-2024      Direct      27 YR      81 KG      Fda-  
Ctu      Consumer      Not Specified      -      -      28-SEP-2024  
Not Specified      Not Specified      -      -      -  
24377255      -      Herbals\Mitragynine      Anxiety Toxicity To  
Various Agents      Serious Died      Female      16-DEC-2023      28-SEP-2024  
Direct      34 YR      56.25 KG      Fda-Ctu Consumer      Not  
Specified      -      -      28-SEP-2024      Not Specified      Not

Specified	-	-	-			
24344910	-	Herbals\Mitragynine	-			
Nausea;Diarrhoea;Vomiting			Serious Other Outcomes;Required			
Intervention	Male	14-SEP-2024	20-SEP-2024	Direct	47 YR	
	90 KG	Fda-Ctu Consumer	Not Specified	-	-	
	20-SEP-2024	Not Specified	Y	-	-	
24333729	-	Herbals\Mitragynine	Fatigue			
Hyperhidrosis;Diarrhoea;Substance Use;Anxiety;Restlessness;Pain						
Serious Other Outcomes	Female	17-SEP-2024	17-SEP-2024	Direct		
	37 YR	69.3 KG	Fda-Ctu Healthcare Professional	Not Specified		
	-	-	17-SEP-2024	Not Specified	Not Specified	
	-	-	-			
24289708	-					
Pregabalin;Herbals\Mitragynine;Tapentadol;Clonazepam;Carisoprodol						
Product Used For Unknown Indication			Toxicity To Various			
Agents	Non-Serious	Non-Serious	Female	-	06-SEP-2024	
	Expedited	44 YR	Not Specified	Alkem	Healthcare	
Professional	Not Specified	Citalopram Hydrobromide	15-MAY-2024			
	06-SEP-2024	AU	Not Specified	AU-ALKEM LABORATORIES		
LIMITED-AU-ALKEM-2024-10488	-	-				
24290864	-	Herbals\Mitragynine	Drug Dependence Dry			
Skin;Skin Exfoliation;Pallor;Weight Decreased;Photophobia;Vision						
Blurred;Drug Dependence Serious Other Outcomes;Disabled;Life						
Threatening;Required Intervention		Male	02-SEP-2024	05-		
SEP-2024	Direct	46 YR	87.75 KG	Fda-Ctu Consumer		
	Not Specified	-	-	05-SEP-2024	Not Specified	
	Not Specified	-	-	-		
24272154	Alcohol (Alcohol)	Alcohol;.Delta.8-				
Tetrahydrocannabinol\Herbals;Herbals\Mitragynine;Aripiprazole;Methylph						
enidate Hydrochloride	Product Used For Unknown Indication					
Binocular Eye Movement						
Disorder;Imprisonment;Nystagmus;Blepharospasm;Heart Rate						
Increased;Impaired Driving Ability;Toxicity To Various Agents						
Serious Other Outcomes;Disabled	Male	-	02-SEP-2024			
Expedited	21 YR	Not Specified	Specgx Healthcare			
Professional	Not Specified	-	21-AUG-2024	02-SEP-2024		
US	Not Specified	US-SPECGX-T202401782	"Kedzierski N,			
Mata D. Mitragynine in the Orange County DUID population. Journal of						
Analytical Toxicology. 2023;47(8):770-85"	-					
24272150	Alcohol (Alcohol)					
Alcohol;Oxycodone;Oxymorphone;Herbals\Mitragynine	Product Used					
For Unknown Indication	Balance Disorder;Impaired Driving					
Ability;Nystagmus;Imprisonment;Toxicity To Various Agents						
Serious Disabled;Other Outcomes	Male	-	02-SEP-2024			
Expedited	51 YR	Not Specified	Specgx Healthcare			
Professional	Not Specified	-	21-AUG-2024	02-SEP-2024		
US	Not Specified	US-SPECGX-T202401781	"Kedzierski N,			
Mata D. Mitragynine in the Orange County DUID population. Journal of						
Analytical Toxicology. 2023;47(8):770-85"	-					
24272141	-					

Hydromorphone;Methamphetamine;Acetaminophen;Dihydrocodeine;Benzoyllecgonine;Herbals\Mitragynine;Hydrocodone;Amphetamine;Cocaine  
Product Used For Unknown Indication Extremity  
Contracture;Bruxism;Paranoia;Anxiety;Toxicity To Various Agents;Speech Disorder;Impaired Driving Ability;Imprisonment;Hyperhidrosis  
Serious Other Outcomes;Disabled Male - 02-SEP-2024  
Expedited 38 YR Not Specified Specgx Healthcare  
Professional Not Specified - 21-AUG-2024 02-SEP-2024  
US Not Specified US-SPECGX-T202401780 "Kedzierski N, Mata D. Mitragynine in the Orange County DUID population. Journal of Analytical Toxicology. 2023;47(8):770-85" -  
24272140 Alcohol (Alcohol)  
Alcohol;Herbals\Mitragynine;Acetaminophen\Hydrocodone Product Used For Unknown Indication Eye Movement Disorder;Heart Rate Increased;Imprisonment;Balance Disorder;Impaired Driving Ability;Toxicity To Various Agents;Tremor;Nystagmus;Road Traffic Accident  
Serious Disabled;Other Outcomes Female - 02-SEP-2024  
Expedited 42 YR Not Specified Specgx  
Healthcare Professional Not Specified - 21-AUG-2024 02-SEP-2024  
US Not Specified US-SPECGX-T202401779 "Kedzierski N, Mata D. Mitragynine in the Orange County DUID population. Journal of Analytical Toxicology. 2023;47(8):770-85" -  
24272020 Pamelor;Zolpidem Zolpidem  
Tartrate;Oxycodone;Herbals\Mitragynine;Amitriptyline;Methocarbamol;Nor triptyline Hydrochloride;Oxymorphone;Gabapentin;Morphine  
Product Used For Unknown Indication Restlessness;Lacrimation Increased;Toxicity To Various Agents;Abnormal Behaviour;Impaired Driving Ability;Nystagmus;Balance Disorder;Imprisonment;Ocular Hyperaemia  
Serious Other Outcomes;Disabled Male - 02-SEP-2024  
Expedited 31 YR Not Specified Specgx  
Healthcare Professional Not Specified - 21-AUG-2024 02-SEP-2024  
US Not Specified US-SPECGX-T202401778 "Kedzierski N, Mata D. Mitragynine in the Orange County DUID population. Journal of Analytical Toxicology. 2023;47(8):770-85" -  
24278790 - Herbals\Mitragynine Anxiety Road Traffic Accident  
Serious Life Threatening;Required Intervention;Hospitalized;Other Outcomes Male 08-JUN-2024  
31-AUG-2024 Direct 25 YR 69.75 KG Fda-Ctu  
Consumer Not Specified - - 31-AUG-2024 Not Specified  
Not Specified Not Specified - - -  
24263168 Buspirone Buspirone  
Hydrochloride;Alprazolam;Clonidine;Cyclobenzaprine;Herbals\Mitragynine;Gabapentin Product Used For Unknown Indication Toxicity To Various Agents;Accidental Overdose Serious Died Female -  
29-AUG-2024 Expedited Not Specified Not Specified  
Apotex Healthcare Professional Not Specified - 19-AUG-2024  
29-AUG-2024 US Not Specified US-APOTEX-2024AP009652 "Torricco T, Patel K, Nikolov N, Salam MT,

Padhy R, Weinstein D.. Presence of kratom in opioid overdose deaths: findings from coroner postmortem toxicological report.. Frontiers in Psychiatry. 2024;14:1332999 (01-04)" -

24261090 Methadone Methadone  
Hydrochloride;Herbals\Mitragynine;Morphine Product Used For  
Unknown Indication Impaired Driving Ability;Pupillary Reflex  
Impaired;Eye Movement Disorder;Miosis;Imprisonment;Lacrimation  
Increased;Toxicity To Various Agents Serious Disabled;Other  
Outcomes Male - 29-AUG-2024 Expedited 52 YR  
Not Specified Specgx Healthcare Professional Not Specified  
- 21-AUG-2024 29-AUG-2024 US Not Specified  
US-SPECGX-T202401766 "Kedzierski N, Mata D. Mitragynine in  
the Orange County DUID population. Journal of Analytical Toxicology.  
2023;47(8):770-85" -

24253585 - Herbals\Mitragynine;Hydromorphone;Olanzapine  
Product Used For Unknown Indication Completed  
Suicide;Toxicity To Various Agents;Overdose;Renal Impairment  
Serious Other Outcomes;Died Male - 27-AUG-2024  
Expedited 44 YR Not Specified Aurobindo Healthcare  
Professional Not Specified Escitalopram 15-AUG-2024 27-  
AUG-2024 CA Not Specified CA-AUROBINDO-AUR-  
APL-2024-042002 "Shi T, Shea LJ.. A case of fatal overdose involving  
both hydromorphone and kratom. J Forensic Sci. 2023" -

24250943 - Herbals\Mitragynine Anxiety Mood  
Swings;Pain In Extremity;Hyperhidrosis;Nausea;Chills;Thinking  
Abnormal;Cold Sweat;Abdominal Pain Upper;Tremor;Abnormal  
Behaviour;Diarrhoea Serious Disabled;Required  
Intervention;Hospitalized Female 15-MAY-2024 25-AUG-2024  
Direct 22 YR 54 KG Fda-Ctu Consumer Not Specified  
Albuterol;Unspecified Ingredient - 25-AUG-2024  
Not Specified Not Specified - - -

24250203 - Herbals\Mitragynine Substance Use Drug  
Dependence;Hepatic Failure;Alcohol Use Serious Died Male 05-  
AUG-2024 24-AUG-2024 Direct 32 YR Not Specified Fda-  
Ctu Consumer Not Specified - - 24-AUG-2024  
Not Specified Not Specified - - -

24020185 Alcohol (Alcohol);Spravato  
Alcohol;Esketamine;Fentanyl;Cocaine;Herbals\Mitragynine Blood Pressure  
Measurement;Depression;Product Used For Unknown Indication;Sleep  
Disorder Depressed Mood;Poisoning Serious Died Male  
MAY-2024 23-AUG-2024 Expedited 33 YR 90.8  
KG Johnson And Johnson Healthcare Professional Not Specified  
Trazodone;Lisinopril;Rexulti;Synthroid;Auvelity;Prozac 12-  
AUG-2024 27-JUN-2024 US Not Specified US-  
JNJFOC-20240660098 - -

24214283 - Herbals\Mitragynine - High-Pitched  
Crying;Irritability;Drug Screen Positive;Agitation Neonatal;Suck-  
Swallow Breathing Coordination Disturbance Serious Other Outcomes  
Female 08-JUN-2024 14-AUG-2024 Direct 1 DAY 3.54  
KG Fda-Ctu Healthcare Professional Not Specified - -

14-AUG-2024	Not Specified	Not Specified	-	-
24214282	-	Herbals\Mitragynine	-	Hypertonia
Neonatal;Blood Cannabinoids;Agitation Neonatal;Maternal Exposure During Pregnancy;Drug Withdrawal Syndrome;Maternal Drugs Affecting Foetus Serious Other Outcomes Female 01-AUG-2024 14-AUG-2024				
Direct	1 DAY	3.6 KG	Fda-Ctu Healthcare Professional	Not Specified
14-AUG-2024	Not Specified	Not Specified	-	-
24204569	Lybalvi	Olanzapine\Samidorphane L-Malate;Herbals\Mitragynine	Blood Pressure	
Abnormal;Contraception;Product Used For Unknown Indication Burning Sensation;Genital Burning Sensation;Hyperhidrosis;Panic Reaction;Substance Use;Dyskinesia;Abdominal Discomfort Non-Serious				
Non-Serious	Female	AUG-2024	13-AUG-2024	Non-Serious
Expedited	Not Specified	Not Specified	Alkermes	
Consumer	Not Specified	Unspecified Ingredient	03-AUG-2024	
13-AUG-2024	US	Not Specified	US-ALKERMES INC.-	
ALK-2024-002046	-	-		
24200495	-	Herbals\Mitragynine	-	Substance
Use;Hypophagia;Impaired Work Ability;Insomnia Serious Died Male				
07-JUL-2024	10-AUG-2024	Direct	32 YR	63 KG Fda-Ctu
Consumer	Not Specified	-	-	10-AUG-2024
Not Specified	Not Specified	-	-	Yes
24200438	-	Herbals\Mitragynine	Product Used For	
Unknown Indication Gait Inability;Toxicity To Various Agents;Paralysis;Irregular Breathing;Diarrhoea;Vomiting;Poisoning;Hallucination;Fear;Product Label Issue;Blindness;Chills Serious Hospitalized Female 04-AUG-2024 09-AUG-2024 Direct 48 YR 58.5 KG Fda-Ctu				
Consumer	Not Specified	-	-	09-AUG-2024 Not Specified
24200338	Paxlovid			
Nirmatrelvir\Ritonavir;Herbals\Mitragynine;Methocarbamol Covid-19 Abnormal Dreams;Dyspnoea;Crying;Head Discomfort;Screaming;Feeling Abnormal;Vulvovaginal Pruritus;Visual Impairment;Headache;Dizziness;Fear Non-Serious Non-Serious				
Female	01-AUG-2024	09-AUG-2024	Direct	32 YR 59.4 KG
Fda-Ctu	Consumer	Not Specified		
Metoprolol;Bupropion;Estrogens;Tylenol;Buspirone;Zofran;Herbals\Mitragynine;Amitriptyline;Ibuprofen - 09-AUG-2024 Not Specified				
Not Specified	-	-	Yes	
24167027	Adderall	Amphetamine Aspartate\Amphetamine Sulfate\Dextroamphetamine Saccharate\Dextroamphetamine Sulfate;Herbals\Mitragynine	Bone Pain;Humerus Fracture	
Product Complaint;Drug Dependence;Cardiac Arrest;Toxicity To Various Agents;Substance Use Serious Disabled;Died Male 23-JUN-2023				
01-AUG-2024	Direct	33 YR	Not Specified	Fda-Ctu
Consumer	Not Specified	-	-	01-AUG-2024 Not

Specified	Not Specified	-	-	-
24144944	-	Lamotrigine;Zopiclone;7-Hydroxymitragynine;Citalopram;Herbals\Mitragynine	Product Used	
For Unknown Indication Pulmonary Congestion;Drug Interaction;Accidental Poisoning;Respiratory Depression;Toxicity To Various Agents Serious Other Outcomes;Died Male - 31-JUL-2024 Expedited Not Specified Not Specified				
Ranbaxy Healthcare Professional	Not Specified	-	16-JUL-2024	
29-JUL-2024	NO	Not Specified	NO-SUN	PHARMACEUTICAL INDUSTRIES LTD-2014R1-90322
"Karinen R, Fosen JT, Rogde S, Vindenes V. An accidental poisoning with mitragynine. Forensic Sci Int. 2014;245:e29-32" -				
24152665	-	Herbals\Mitragynine	Post-Traumatic Stress Disorder	
Seizure;Substance Use;Post-Traumatic Stress Disorder Serious Died;Required Intervention;Hospitalized;Life Threatening;Disabled Male 18-APR-2024 29-JUL-2024 Direct				
27 YR 99 KG	Fda-Ctu	Consumer	Not Specified	
Benadryl;Gabapentin;Valium	-	29-JUL-2024	Not Specified	
Not Specified	-	-	Yes	
23595917	-	Hydromorphone		
Hydrochloride;Olanzapine;Herbals\Mitragynine Pain Overdose;Toxicity To Various Agents;Completed Suicide;Renal Impairment Serious Other Outcomes;Died Male - 25-JUL-2024 Expedited 44 YR Not Specified Pfizer Healthcare Professional Not Specified Zopiclone;Escitalopram 24-JUL-2024				
05-MAR-2024	CA	Not Specified	CA-PFIZER	
INC-202400056465	-	-		
24129297	-	Herbals\Mitragynine	-	Dysarthria;Eye Movement Disorder;Immobile;Drug Dependence;Tremor;Cluster Headache Serious Disabled;Other Outcomes Female 21-JUL-2024 23-JUL-2024 Direct 32 YR 71.21 KG Fda-Ctu Not Specified
Not Specified	-	-	23-JUL-2024	Not Specified
Not Specified	-	-	-	
23806599	-	Hydromorphone		
Hydrochloride;Olanzapine;Herbals\Mitragynine Pain;Product Used For Unknown Indication Completed Suicide;Toxicity To Various Agents;Renal Impairment;Renal Failure;Intentional Overdose;Overdose;Herbal Interaction Serious Died;Other Outcomes Male - 19-JUL-2024 Expedited 44 YR Not Specified				
Not Specified	Teva	Healthcare Professional	Not Specified	
Zopiclone;Escitalopram;Olanzapine	11-JUL-2024	02-MAY-2024		
CA	Not Specified	CA-TEVA-VS-3191473	-	-
24105852	-			
Diazepam;Herbals\Mitragynine;Cannabidiol;Etizolam;Methylphenidate Hydrochloride Product Used For Unknown Indication Toxicity To Various Agents;Accidental Overdose Serious Died Male 25-MAR-2024 17-JUL-2024 Expedited 28 YR Not Specified				
Johnson And Johnson	Consumer	Not Specified	-	
15-JUL-2024	17-JUL-2024	AU	Not Specified	AU-
JNJFOC-20240737587	-	-		

24096419	-	Herbals\Mitragynine	Drug Dependence		
Seizure Serious Other Outcomes;Hospitalized	Male	26-SEP-2023			
15-JUL-2024	Direct	49 YR	92.25 KG	Fda-Ctu	
Consumer	Not Specified				
Alprazolam;Trazodone;Ambien;Clonazepam;Tylenol;Olanzapine	-				
15-JUL-2024	Not Specified	Y	-	-	-
24088337	-	Herbals\Mitragynine;Methamphetamine			
Product Used For Unknown Indication	Psychotic Disorder;Toxicity To				
Various Agents;Drug Abuse	Serious Other Outcomes;Hospitalized				
Male	-	15-JUL-2024	Non-Expedited	44 YR	Not Specified
Specified	Dr Reddys	Healthcare Professional	Not Specified		
-	02-JUL-2024	15-JUL-2024	US	Not Specified	
US-RDY-LIT/USA/24/0009991	"Sablaban IM, Gautam M. Kratom				
and Stimulant Co-Addiction: A Case Series and Brief Review. Journal of Addictive Diseases: The Official Journal of the ASAM, American Society of Addiction Medicine. 2023 Jan;41(2): 181-184.					
doi:10.1080/10550887.2022.2066459."					
24080776	Buspirone	Buspirone			
Hydrochloride;Herbals\Mitragynine	-	Death	Serious	Died	
Male	18-MAR-2024	11-JUL-2024	Direct	27 YR	Not Specified
Specified	Fda-Ctu	Consumer	Not Specified	-	-
11-JUL-2024	Not Specified	Not Specified	-	-	
-					
24064507	-	Gabapentin;Herbals\Mitragynine	Product Used		
For Unknown Indication	Treatment Noncompliance;Intentional Product				
Misuse Serious Hospitalized	Male	-	09-JUL-2024		
Expedited	44 YR	Not Specified	Mylan	Healthcare	
Professional	Not Specified	Methamphetamine	02-JUL-2024	09-JUL-2024	
-	US	Not Specified	US-MYLANLABS-2024M1063114		
"Sablaban IM, Gautam M. Kratom & Stimulant Co-Addiction: A Case Series and Brief Review. [Review]. J-Addict-Dis 2023; 41 (2): 181-184."					
24058768	-	Buprenorphine;Herbals\Mitragynine			
Product Used For Unknown Indication	Drug Withdrawal Syndrome				
Neonatal;Foetal Exposure During Pregnancy	Serious Other Outcomes				
Male	-	08-JUL-2024	Non-Expedited	Not Specified	
Not Specified	Aveva	Healthcare Professional	Not Specified		
-	11-JUN-2024	08-JUL-2024	US	Not Specified	
US-AVEVA-000680	"Spungen HH, Mody K, Micetic B, Wade C, Kang				
AM. Neonatal and Maternal Ichthyosiform Dermopathy in Association with Kava Use during Pregnancy. J Med Toxicol. 2024, doi: 10.1007/s13181-024-01016-x. PMID: 38839731."					
24062150	-	Herbals\Mitragynine	Substance Use	Drug	
Dependence	Serious Other Outcomes	Male	07-JUL-2024	07-JUL-2024	
JUL-2024	Direct	54 YR	117 KG	Fda-Ctu	Consumer
Specified	-	-	07-JUL-2024	Not Specified	Not Specified
Specified	-	-	-		
22645484	-	Clonazepam;Herbals\Mitragynine	Product Used		
For Unknown Indication	Lethargy;Unresponsive To Stimuli				
Serious Other Outcomes	Male	-	04-JUL-2024	Expedited	

60 YR	Not Specified	Ranbaxy Healthcare Professional	Not Specified	19-JUN-2024	27-JUN-2023	US	Not Specified
US-SUN PHARMACEUTICAL INDUSTRIES LTD-2023R1-396275							
"Palungwachira P, Yeh M, Whitworth B, Rushton W, Kazzi Z. Clinical Characteristics of Kratom Exposures Reported to the Georgia and Alabama Poison Control Centers from 2016-2020: A Retrospective Review. J Drug Alcohol Res. 2022;11(2):236162" -							
24046897	-	Herbals\Mitragynine	Pain	Malaise			
Serious Other Outcomes	Female	20-JUN-2024	01-JUL-2024	Direct			
21 YR	54 KG	Fda-Ctu Consumer	Not Specified	-			
-	01-JUL-2024	Not Specified	Y	-			
-							
24010094	-	Buprenorphine;Herbals\Mitragynine	-				
Maternal Exposure During Pregnancy;Ichthyosis Acquired							
Serious Other Outcomes	Female	-	27-JUN-2024	Expedited			
41 YR	Not Specified	Pfizer Healthcare Professional	Not Specified	-			
Specified	-	19-JUN-2024	25-JUN-2024	US	Not Specified		
US-PFIZER INC-PV202400080758 "Spungen, H.. Neonatal and Maternal Ichthyosiform Dermopathy in Association with Kava Use during Pregnancy.. Journal of Medical Toxicology. 2024;1-6" -							
23999116	-	Herbals\Mitragynine;Buprenorphine					
Ichthyosis Maternal Exposure During Pregnancy;Neonatal Seizure;Drug Withdrawal Syndrome Neonatal;Exposure Via Breast Milk							
Serious Hospitalized;Other Outcomes	Male	-	26-JUN-2024	Expedited	Not Specified	Not Specified	Pfizer
Healthcare Professional	Not Specified	-	19-JUN-2024				
21-JUN-2024	US	Not Specified	US-PFIZER				
INC-202400196811 "Spungen, H.. Neonatal and Maternal Ichthyosiform Dermopathy in Association with Kava Use during Pregnancy. Journal of Medical Toxicology. 2024;1-6" -							
23995850	-	Herbals\Mitragynine	Analgesic Therapy				
Hallucination;Blood Thyroid Stimulating Hormone							
Abnormal;Anger;Psychotic Disorder							
-	19-JUN-2024	Direct	40 YR	47.7 KG	Fda-Ctu		
Consumer	Not Specified	-	-	19-JUN-2024	Not Specified		
Specified	Not Specified	-	-	-			
23984408	Suboxone;Valium						
Diazepam;Herbals\Mitragynine;Etizolam;Buprenorphine							
Hydrochloride\Naloxone Hydrochloride;Carisoprodol;Meprobamate;Caffeine							
Product Used For Unknown Indication							
Dysphonia;Disorientation;Slow Speech;Road Traffic Accident;Fall;Toxicity To Various Agents;Balance Disorder;Nystagmus							
Serious Other Outcomes	Male	-	18-JUN-2024				
Expedited	26 YR	Not Specified	Arbor Healthcare				
Professional	Not Specified	-	06-JUN-2024	18-JUN-2024			
US	Not Specified	"US-AZURITY PHARMACEUTICALS, INC.-US-2024AZR000722" "Papsun D.M., Chan-Hosokawa A., Lamb M.E., Logan B.. Increasing prevalence of designer benzodiazepines in impaired driving: a 5-year analysis from 2017 to 2021. J. Anal. Toxicol.. 2023;47:8:668 - 679" -					



23982168 Sertraline Sertraline Hydrochloride;Bupropion  
Hydrochloride;Herbals\Mitragynine Antidepressant Therapy;Product  
Used For Unknown Indication Drug Interaction;Serotonin Syndrome  
Serious Other Outcomes;Hospitalized;Life Threatening Male  
- 17-JUN-2024 Expedited 28 YR Not Specified  
Epic Pharm Healthcare Professional Not Specified -  
03-JUN-2024 17-JUN-2024 US Not Specified US-  
EPICPHARMA-US-2024EPCLIT00717 Marissa Saber.SEROTONIN SYNDROME DUE  
TO KRATOM AND ANTIDEPRESSANT INTERACTION: A CASE STUDY.Critical Care  
Medicine.JAN-2024;52:S642 -  
23967333 - Bupropion;Sertraline  
Hydrochloride;Herbals\Mitragynine Antidepressant Therapy  
Serotonin Syndrome;Drug Interaction Serious Other  
Outcomes;Hospitalized;Life Threatening Male - 12-JUN-2024  
Expedited 28 YR Not Specified Aci Healthcare  
Healthcare Professional Not Specified - 31-MAY-2024 12-  
JUN-2024 US Not Specified US-ACI HealthCare  
Limited-2158055 Source document (Full text) -  
23964527 - Bupropion  
Hydrochloride;Herbals\Mitragynine;Sertraline Hydrochloride  
Antidepressant Therapy;Product Used For Unknown Indication Drug  
Interaction;Serotonin Syndrome Serious Life  
Threatening;Hospitalized;Other Outcomes Male - 12-JUN-2024  
Expedited 28 YR Not Specified Granules India  
Healthcare Professional Not Specified - 29-MAY-2024 12-  
JUN-2024 US Not Specified US-GRANULES-US-2024GRALIT00212  
Marissa Saber.SEROTONIN SYNDROME DUE TO KRATOM AND  
ANTIDEPRESSANT INTERACTION: A CASE STUDY..Critical Care  
Medicine.JAN-2024;52:S642 -  
23945485 - Herbals\Mitragynine - Toxicity To  
Various Agents;Palpitations;Accidental Death Serious Died Not  
Specified 06-FEB-2024 05-JUN-2024 Direct 25 YR 78.75  
KG Fda-Ctu Consumer Not Specified - - 05-  
JUN-2024 Not Specified Not Specified - - -  
23931703 Sertraline Sertraline  
Hydrochloride;Bupropion;Herbals\Mitragynine Antidepressant  
Therapy;Product Used For Unknown Indication Drug  
Interaction;Serotonin Syndrome Serious Hospitalized;Other Outcomes  
Male - 03-JUN-2024 Expedited 28 YR Not  
Specified Unknown Manufacturer Healthcare Professional Not  
Specified - 21-MAY-2024 03-JUN-2024 US Not  
Specified US-862174955-ML2024-03211 "Saber M, Zichichi A,  
Ammar M. SEROTONIN SYNDROME DUE TO KRATOM AND ANTIDEPRESSANT  
INTERACTION: A CASE STUDY. Critical Care Medicine. 2024 Jan; 52(Suppl  
1): S642; abstract 1342." -  
23931677 Sertraline Sertraline Hydrochloride;Bupropion  
Hydrochloride;Herbals\Mitragynine Product Used For Unknown  
Indication Seizure;Clonic Convulsion;Condition  
Aggravated;Tremor;Hyperreflexia;Vomiting;Headache;Agitation;Clonus;Dru  
g Interaction;Serotonin Syndrome Serious Hospitalized;Other

Outcomes	Not Specified	-	03-JUN-2024	Expedited
	Not Specified	Not Specified	Alembic Healthcare	
Professional	Not Specified	-	20-MAY-2024	03-JUN-2024
US	Not Specified	US-ALEMBIC PHARMACUETICALS		
LIMITED-2024SCAL000709 "Saber M, Zichichi A, Ammar M. SEROTONIN SYNDROME DUE TO KRATOM AND ANTIDEPRESSANT INTERACTION: A CASE STUDY. Critical Care Medicine. 2024;52 (1):S642" -				
23926685	Sertraline	Sertraline		
Hydrochloride;Herbals\Mitragynine;Bupropion Hydrochloride Antidepressant Therapy;Product Used For Unknown Indication Serotonin Syndrome;Herbal Interaction;Drug Interaction Serious Life Threatening;Hospitalized Male - 31-MAY-2024				
Expedited	28 YR	Not Specified	Hetero Healthcare	
Professional	Not Specified	-	20-MAY-2024	31-MAY-2024
US	Not Specified	US-HETERO-HET2024US01561		"Saber
M, Zichichi A, Ammar M.. SEROTONIN SYNDROME DUE TO KRATOM AND ANTIDEPRESSANT INTERACTION: A CASE STUDY. Critical Care Medicine. 2024;52(1):S642" -				
23921757	Sertraline;Forfivo Xl	Bupropion		
Hydrochloride;Sertraline Hydrochloride;Herbals\Mitragynine Product Used For Unknown Indication Drug Interaction;Serotonin Syndrome Serious Other Outcomes;Hospitalized;Life Threatening				
	Not Specified	-	30-MAY-2024	Expedited Not
Specified	Not Specified	Twi Pharmaceuticals	Healthcare	
Professional	Not Specified	-	20-MAY-2024	30-MAY-2024
US	Not Specified	"US-TWI PHARMACEUTICAL,		
INC-2024SCTW000103" Saber M.; Zichichi A.; Ammar M.. SEROTONIN SYNDROME DUE TO KRATOM AND ANTIDEPRESSANT INTERACTION: A CASE STUDY. Crit. Care Med.. 2024;52:1 (S1):S642 -				
23919359	-	Herbals\Mitragynine	-	Substance
Use;Illness	Serious	Other Outcomes	Male	12-MAY-2024 30-
MAY-2024	Direct	50 YR	68.04 KG	Fda-Ctu Not Specified
	Not Specified	-	-	30-MAY-2024 Not Specified
Y	-	-	-	
23918568	Sertraline	Sertraline		
Hydrochloride;Herbals\Mitragynine;Bupropion Hydrochloride Antidepressant Therapy;Product Used For Unknown Indication Serotonin Syndrome;Drug Interaction;Herbal Interaction Serious Other Outcomes;Hospitalized Male - 30-MAY-2024 Expedited				
	28 YR	Not Specified	Lupin	Healthcare Professional Not
Specified	-	15-MAY-2024	30-MAY-2024	US Not
Specified	US-LUPIN HEALTHCARE (UK) LIMITED-2024-04254			"Saber
M, Zichichi A, Ammar M. Serotonin syndrome due to kratom and antidepressant interaction: A case study. Critical care medicine. 2024;52 (1):S642 abstr. 1342" -				
23906326	Nucynta Tapentadol			
Hydrochloride;Herbals\Mitragynine;Clonazepam;Carisoprodol;Pregabalin				
	Product Used For Unknown Indication		Toxicity To Various	
Agents	Serious Died	Female	23-APR-2021	28-MAY-2024
Expedited	44 YR	Not Specified	Collegium Pharmaceutical	

Healthcare Professional Not Specified	Citalopram
Hydrobromide 16-MAY-2024 28-MAY-2024 AU Not Specified	
"AU-COLLEGIUM PHARMACEUTICAL, INC.-20230900738"	- -
22636891 - Herbals\Mitragynine;Quetiapine	Product Used
For Unknown Indication Seizure Serious Other Outcomes Male -	
28-MAY-2024 Expedited 48 YR Not Specified	
Ranbaxy Healthcare Professional Not Specified - 13-MAY-2024	
26-JUN-2023 US Not Specified US-SUN PHARMACEUTICAL	
INDUSTRIES LTD-2023R1-396280 "Palungwachira P, Yeh M, Whitworth B,	
Rushton W, Kazzi Z. Clinical Characteristics of Kratom Exposures	
Reported to the Georgia and Alabama Poison Control Centers from	
2016-2020: A Retrospective Review. J Drug Alcohol Res.	
2022;11(2):236162"	-
23896959 - Herbals\Mitragynine -	
Colostomy;Diverticulitis;Product Residue Present;Pain Serious	
Disabled;Required Intervention;Other Outcomes;Hospitalized;Life	
Threatening Male 20-MAY-2024 24-MAY-2024 Direct 55 YR	
69.75 KG Fda-Ctu Consumer Not Specified -	
- 24-MAY-2024 Not Specified Not Specified -	
- -	
23896572 Sertraline Sertraline	
Hydrochloride;Bupropion;Herbals\Mitragynine	Product Used For
Unknown Indication Serotonin Syndrome;Drug Interaction	
Serious Other Outcomes;Hospitalized Male - 24-MAY-2024	
Expedited 28 YR Not Specified Apotex Healthcare	
Professional Not Specified - 15-MAY-2024 24-MAY-2024	
US Not Specified US-APOTEX-2024AP006141 "Saber M,	
Zichichi A, Ammar M. SEROTONIN SYNDROME DUE TO KRATOM AND	
ANTIDEPRESSANT INTERACTION: A CASE STUDY. Critical Care Medicine.	
2024;52 (Suppl 1):S642"	-
23890762 - Herbals\Mitragynine Substance Use Drug	
Abuse;Drug Dependence;Alcohol Abuse;Euphoric Mood Serious Other	
Outcomes;Hospitalized;Required Intervention Female - 23-	
MAY-2024 Direct Not Specified 60.75 KG Fda-Ctu	
Consumer Not Specified - - 23-MAY-2024 Not	
Specified Not Specified - - -	
23889816 - Sertraline Hydrochloride;Herbals\Mitragynine	
Anxiety;Depression Drug Interaction;Electrocardiogram Qt	
Prolonged Serious Other Outcomes;Hospitalized Female -	
23-MAY-2024 Expedited 17 YR Not Specified Aci	
Healthcare Healthcare Professional Not Specified - 10-	
MAY-2024 23-MAY-2024 US Not Specified US-ACI	
HealthCare Limited-2157339 Source document (Full text) -	
23886708 Sertraline Sertraline Hydrochloride;Bupropion	
Hydrochloride;Herbals\Mitragynine - Serotonin Syndrome	
Serious Hospitalized Male - 22-MAY-2024	
Expedited 28 YR Not Specified Princeton Pharmaceutical	
Healthcare Professional Not Specified - 15-MAY-2024 22-	
MAY-2024 US Not Specified US-PRINSTON PHARMACEUTICAL	
INC.-2024PRN00216 "Saber M, Zichichi A, Ammar M.. SEROTONIN	

SYNDROME DUE TO KRATOM AND ANTIDEPRESSANT INTERACTION: A CASE STUDY.  
Critical Care Medicine. 2024;52(1):S642" -

23861841 Sertraline Sertraline  
Hydrochloride;Bupropion;Herbals\Mitragynine Product Used For  
Unknown Indication;Tobacco User Serotonin Syndrome;Condition  
Aggravated;Clonus;Headache;Agitation;Sneezing;Seizure;Vomiting  
Serious Hospitalized;Other Outcomes Not Specified - 16-  
MAY-2024 Expedited Not Specified Not Specified  
Glaxosmithkline Healthcare Professional Not Specified - 13-  
MAY-2024 16-MAY-2024 US Not Specified US-GSK-  
US2024GSK060080 "Saber M, Zichichi A, Ammar M. Serotonin Syndrome Due  
To Kratom And Antidepressant Interaction: A Case Study. Critical Care  
Medicine. 2024;52 (1):S642" -

23860811 Sertraline Sertraline  
Hydrochloride;Herbals\Mitragynine;Bupropion Agitation;Product Used  
For Unknown Indication Drug Interaction;Serotonin Syndrome  
Serious Life Threatening;Hospitalized;Other Outcomes Male -  
16-MAY-2024 Expedited 28 YR Not Specified Sandoz  
Healthcare Professional Not Specified  
Propofol;Ketamine;Droperidol 13-MAY-2024 16-MAY-2024 US  
Not Specified US-SANDOZ INC.-SDZ2024US048440 "Saber M.,  
Zichichi A., Ammar M. SEROTONIN SYNDROME DUE TO KRATOM AND  
ANTIDEPRESSANT. Y. Critical Care Medicine. 2024;52:1" -

23858710 - Sertraline Hydrochloride;Herbals\Mitragynine  
Anxiety;Depression;Product Used For Unknown Indication Drug  
Interaction;Electrocardiogram Qt Prolonged Serious Other  
Outcomes;Hospitalized Female - 15-MAY-2024 Expedited  
17 YR Not Specified Granules India Healthcare  
Professional Not Specified - 02-MAY-2024 15-MAY-2024  
US Not Specified US-GRANULES-US-2024GRALIT00158 N  
Truesdale.QTc prolongation related to kratom ingestion with underlying  
SSRI usage.American Journal of the Medical Sciences.FEB-2024;367  
(Suppl. 1):S284 abstr -

23851778 - Sertraline Hydrochloride;Herbals\Mitragynine  
Anxiety;Depression;Product Used For Unknown Indication Herbal  
Interaction;Electrocardiogram Qt Prolonged Serious Other  
Outcomes;Hospitalized Female - 14-MAY-2024 Expedited  
17 YR Not Specified Sciegen Healthcare Professional Not  
Specified - 02-MAY-2024 14-MAY-2024 US Not  
Specified US-SCIEGENP-2024SCLIT00279 "Truesdale N, et  
al.QTc prolongation related to kratom ingestion with underlying SSRI  
usage.American Journal of the Medical Sciences.feb-2024;367 (1):S284"

23853681 - Herbals\Mitragynine Anxiety;Insomnia  
Drug Withdrawal Syndrome;Substance Use Serious Other Outcomes  
Female 22-APR-2024 13-MAY-2024 Direct 68 YR 72 KG  
Fda-Ctu Consumer Not Specified Fish Oil -  
13-MAY-2024 Not Specified Not Specified - -

23847716 - Herbals\Mitragynine Product Used For

Unknown Indication	Drug Withdrawal Syndrome;Stupor;Central Nervous System Stimulation;Dizziness;Nausea	Serious Other Outcomes	Required Intervention;Disabled Male	01-MAY-2024	10-MAY-2024	Direct	32 YR	60.75 KG	Fda-Ctu Consumer	Not Specified
Not Specified Y	-	-	-	10-MAY-2024	Not Specified	-	-	-	-	-
23831491	Herbals\Mitragynine	Anxiety;Pain	Aggression;Drug Dependence;Diarrhoea;Pyrexia;Partner Stress;Somnolence;Withdrawal Syndrome;Vomiting;Myalgia;Pain;Irritability	Serious Other Outcomes	Male	07-MAY-2024	07-MAY-2024	Direct	42 YR	78.75 KG
23831162	Herbals;Herbals\Mitragynine	Depression	Temperature Regulation Disorder;Malaise;Weight Decreased;Physical Product Label Issue;Skin Discolouration;Substance Use;Depression;Dependence;Restlessness;Nausea;Therapy Cessation;Alopecia;Insomnia;Drug Dependence;Withdrawal Syndrome	Serious Required Intervention;Other Outcomes	Female	02-MAY-2024	07-MAY-2024	Direct	27 YR	58.5 KG
23821555	Herbals\Mitragynine	Anxiety;Insomnia	Drug-Induced Liver Injury	Serious Hospitalized	Male	24-APR-2024	05-MAY-2024	Direct	63 YR	74.25 KG
23820739	Herbals\Mitragynine	Depression	Death	Serious Died	Male	04-MAY-2024	Direct	37 YR	Not Specified	-
23806729	Sertraline	Sertraline	Hydrochloride;Herbals\Mitragynine	Anxiety;Depression;Phytotherapy	Electrocardiogram Qt Prolonged;Drug Interaction	Serious Hospitalized;Other Outcomes	Female	-	02-MAY-2024	Expedited
23705204	Spravato	Esketamine;Herbals\Mitragynine;Hydrocodone;Baclofen	Depression;Product Used For Unknown Indication	Dizziness;Nausea;Vomiting	Serious Other Outcomes	Male	15-MAR-2024	29-APR-2024	Expedited	30 YR
23705204	Spravato	Esketamine;Herbals\Mitragynine;Hydrocodone;Baclofen	Depression;Product Used For Unknown Indication	Dizziness;Nausea;Vomiting	Serious Other Outcomes	Male	15-MAR-2024	29-APR-2024	Expedited	30 YR

Johnson And Johnson	Healthcare Professional	Not Specified	-
18-APR-2024	04-APR-2024	US	Not Specified US-
JNJFOC-20240382704	-	-	
23798731	-	Herbals\Mitragynine	Product Used For
Unknown Indication	Therapy Cessation;Delirium;Mental Status	Changes;Sleep Deficit;Psychotic Disorder;Pain;Seizure	Serious
Hospitalized;Life Threatening;Disabled;Other Outcomes	Female	25-	
JAN-2024	27-APR-2024	Direct	81 YR 48.15 KG
Fda-			
Ctu	Consumer	Not Specified	- - 27-APR-2024
Not Specified	Not Specified	-	-
23782989	Sertraline	Sertraline	
Hydrochloride;Herbals\Mitragynine	Anxiety;Depression;Phytotherapy	Electrocardiogram Qt Prolonged;Drug	
Interaction	Serious Hospitalized	Female -	25-APR-2024
Expedited	17 YR	Not Specified	Mylan Healthcare
Professional	Not Specified	-	18-APR-2024 25-APR-2024
US	Not Specified	US-	
MYLANLABS-2024M1037072	"Truesdale N, Kaliki V, Fuller KE, Nathani Y.	QTc prolongation related to kratom ingestion with underlying SSRI	
usage. Am-J-Med-Sci 2024; 367 (Suppl. 1) S284 abstr. 472."	-		
21146383	Buspirone;Trazodone	Trazodone	
Hydrochloride;Herbals\Mitragynine;Buspirone	Hydrochloride;Desvenlafaxine;Ziprasidone;Gabapentin;Bupropion	Depression;Neuropathy Peripheral;Product Used For Unknown Indication	
Serotonin Syndrome	Serious Other Outcomes;Hospitalized		
Male	04-NOV-2018	25-APR-2024	Expedited 63 YR
102.5 KG	Ranbaxy Healthcare Professional	Not Specified	
Hydrochlorothiazide;Amlodipine;Omeprazole;Glimepiride;Metformin;Diclofenac;Tizanidine	10-APR-2024	29-JUL-2022	US Not Specified
US-SUN PHARMACEUTICAL INDUSTRIES			
LTD-2022R1-346730	"Eudaley ST, Brooks SP, Hamilton LA. Case	Report: Possible Serotonin Syndrome in a Patient Taking Kratom and	
Multiple Serotonergic Agents. J Pharm Pract. 2023;36(6):1523-1527"	-		
23778259	Paxlovid		
Nirmatrelvir\Ritonavir;Herbals\Mitragynine;Quetiapine	Bipolar		
Disorder;Covid-19;Hypertension;Menopausal Symptoms	Drug		
Interaction;Serotonin Syndrome	Serious Hospitalized;Other Outcomes		
Female -	24-APR-2024	Expedited	55 YR Not
Specified	Sciegen Healthcare Professional	Not Specified	
Metoprolol	10-APR-2024	24-APR-2024	IL Not Specified
IL-SCIEGENP-2024SCLIT00244	"Albert R, et al.Serotonin	Syndrome in COVID-19: Polypharmacy with Paxlovid and Kratom.Journal of	
the Academy of Consultation-Liaison Psychiatry .dec-2023;146:S72"	-		
23768093	-	Herbals\Mitragynine	- Suicidal
Ideation;Product Advertising Issue;Dry Skin;Muscular Weakness;Drug	Dependence;Drug Tolerance;Alopecia	Serious Other	
Outcomes;Required Intervention	Female	01-NOV-2023	19-APR-2024

Specified	Direct	37 YR	65.25 KG	Fda-Ctu	Consumer	Not Specified	Not Specified
Specified	-	-	-	19-APR-2024	-	-	-
23768089	-	-	-	-	-	-	-
Herbals\Mitragynine Drug Dependence;Withdrawal Syndrome;Product Advertising Issue							
23768069	-	-	-	-	-	-	-
Herbals\Mitragynine Substance Use Drug Dependence;Product Advertising Issue Serious Required Intervention							
23768067	-	-	-	-	-	-	-
Herbals\Mitragynine Drug Dependence Weight Decreased;Drug Dependence;Mental Impairment;Skin Disorder;Liver Injury;Product Formulation Issue Serious Other Outcomes Female							
23578072	-	-	-	-	-	-	-
Paxlovid Quetiapine;Nirmatrelvir\Ritonavir;Herbals\Mitragynine Covid-19;Menopausal Symptoms;Phytotherapy;Product Used For Unknown Indication Herbal Interaction;Drug Interaction;Serotonin Syndrome							
23523065	-	-	-	-	-	-	-
Paxlovid Herbals\Mitragynine;Nirmatrelvir\Ritonavir;Quetiapine Bipolar Disorder;Covid-19 Treatment;Hypertension;Menopausal Symptoms Serotonin Syndrome;Drug Interaction Serious Other Outcomes Female							
23744032	-	-	-	-	-	-	-
Herbals\Mitragynine Product Used For Unknown Indication Drug Dependence;Withdrawal Syndrome Non-Serious Non-Serious Female 28-FEB-2024 14-APR-2024 Direct							
23731047	-	-	-	-	-	-	-
Herbals\Mitragynine;Despropionylfentanyl;Q							

uinine Drug Abuse Cardiac Arrest;Drug Abuse;Prescription Drug  
 Used Without A Prescription;Respiratory Arrest Serious Other  
 Outcomes;Died Male - 11-APR-2024 Expedited 35 YR  
 Not Specified Alvogen Healthcare Professional Not Specified  
 - 27-MAR-2024 11-APR-2024 US Not Specified  
 US-ALVOGEN-2024093540 "Gummin DD, Mowry JB, Beuhler MC,  
 Spyker DA, Rivers LJ, Feldman R, Brown K, Pham NPT, Bronstein AC,  
 DesLauriers C. 2022 Annual Report of the National Poison Data System  
 (NPDS) from America?s Poison Centers: 40th Annual Report. Clinical  
 Toxicology. 2023 Dec 12;61 (10):717-939. doi:https://doi.org/  
 10.1080/15563650.2023.2268981" -  
 23730826 -  
 Citalopram;Pseudoephedrine;Phenylpropanolamine;Herbals\Mitragynine;Dex  
 tromethorphan;Bupropion Suicide Attempt Completed Suicide;Respiratory  
 Arrest;Cardiac Arrest Serious Died;Other Outcomes Male -  
 11-APR-2024 Expedited 39 YR Not Specified  
 Alvogen Healthcare Professional Not Specified - 27-MAR-2024  
 11-APR-2024 US Not Specified US-ALVOGEN-2024093588  
 "Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Rivers LJ,  
 Feldman R, Brown K, Pham NPT, Bronstein AC, DesLauriers C. 2022 Annual  
 Report of the National Poison Data System (NPDS) from America?s Poison  
 Centers: 40th Annual Report. Clinical Toxicology. 2023 Dec 12;61  
 (10):717-939. doi:https://doi.org/10.1080/15563650.2023.2268981"  
 -  
 23718715 - Herbals\Mitragynine - Emotional  
 Distress;Nausea;Tremor;Vomiting;Tachycardia;Abdominal Pain Upper  
 Non-Serious Non-Serious Female 05-APR-2024 07-  
 APR-2024 Direct 21 YR 56.25 KG Fda-Ctu Consumer  
 Not Specified Coenzyme Q10;Gabapentin;Fish  
 Oil;Corlanor;Clarinet;Prozac - 07-APR-2024 Not Specified  
 Not Specified - - -  
 23718104 Synthroid Levothyroxine  
 Sodium;Herbals\Mitragynine Back Pain Substance  
 Use;Chromaturia;Faeces Discoloured Non-Serious Non-Serious  
 Female 24-APR-2023 06-APR-2024 Direct 46 YR 65.25  
 KG Fda-Ctu Consumer Not Specified Synthroid -  
 06-APR-2024 Not Specified Not Specified - -  
 -  
 23699715 Vivitrol Naltrexone;Herbals\Mitragynine  
 Alcoholism;Pain In Extremity;Product Used For Unknown Indication  
 Substance Use Non-Serious Non-Serious Male -  
 03-APR-2024 Non-Expedited Not Specified Not Specified  
 Alkermes Healthcare Professional Not Specified  
 Trazodone;Fluoxetine 20-MAR-2024 03-APR-2024 US Not  
 Specified US-ALKERMES INC.-ALK-2024-000792 - -  
 23459072 Fluoxetine Fluoxetine  
 Hydrochloride;Herbals\Mitragynine;Fentanyl;Bupropion Hydrochloride  
 Pain;Product Used For Unknown Indication Serotonin  
 Syndrome;Drug Interaction Serious Other Outcomes Male -  
 02-APR-2024 Non-Expedited 68 YR Not Specified



Graviti Pharmaceuticals Healthcare Professional Not Specified -  
 21-MAR-2024 31-JAN-2024 US Not Specified US-  
 GRAVITIPHARMA-GRA-2401-US-LIT-0008 "Grundmann O, Hendrickson RG,  
 Greenberg MI.Kratom: History, pharmacology, current user trends,  
 adverse health effects and potential benefits.Dis-Mon.2023;69:6"

23693637 - Herbals\Mitragynine Anxiety "Mental  
 Disorder;Legal Problem;Illogical Thinking;Hallucination, Auditory"  
 Non-Serious Non-Serious Female 04-DEC-2023 31-  
 MAR-2024 Direct 35 YR 74.25 KG Fda-Ctu Consumer  
 Not Specified Herbals\Mitragynine - 31-MAR-2024  
 Not Specified Not Specified - - -  
 23668375 - Herbals\Mitragynine Anxiety;Self-  
 Medication;Stress Vomiting;Anger;Psychotic Disorder;Sleep  
 Disorder;Drug Dependence;Adverse Event Serious Required  
 Intervention;Other Outcomes Male 20-MAR-2024 23-MAR-2024  
 Direct 22 YR 72 KG Fda-Ctu Consumer Not Specified  
 - - 23-MAR-2024 Not Specified Not Specified  
 - - -

23616995 Paxlovid  
 Nirmatrelvir\Ritonavir;Herbals\Mitragynine;Quetiapine Bipolar  
 Disorder;Covid-19;Hypertension;Menopausal Symptoms Drug  
 Interaction;Serotonin Syndrome Serious Hospitalized Female -  
 21-MAR-2024 Expedited 55 YR Not Specified Teva  
 Healthcare Professional Not Specified Metoprolol 13-  
 MAR-2024 11-MAR-2024 US Not Specified US-TEVA-  
 VS-3164786 "Albert R, Quraishi S, Ashley K. (146) Serotonin  
 Syndrome in COVID-19: Polypharmacy with Paxlovid and Kratom. J-Acad-  
 Consult-Liaison-Psychiatry 2023; 64 (Suppl.) S72 abstr. 146.; Albert  
 R, Quraishi S, Ashley K. (146) Serotonin Syndrome in COVID-19:  
 Polypharmacy with Paxlovid and Kratom. J-Acad-Consult-Liaison-  
 Psychiatry 2023; 64 (Suppl.) S72 abstr. 146." -

23647254 - Herbals\Mitragynine Asthenia  
 Pyrexia;Pruritus;Skin Exfoliation;Flushing;Chills;Urticaria  
 Serious Life Threatening;Other Outcomes Male 15-MAR-2024 18-  
 MAR-2024 Direct 33 YR 104.85 KG Fda-Ctu Consumer  
 Not Specified - - 18-MAR-2024 Not Specified  
 Not Specified - - -

23637450 - Herbals\Mitragynine - Suspected  
 Counterfeit Product;Manufacturing Product Shipping Issue;Manufacturing  
 Facilities Issue Non-Serious Non-Serious Not Specified  
 - 14-MAR-2024 Direct Not Specified Not Specified  
 Fda-Ctu Not Specified Not Specified - - 14-  
 MAR-2024 Not Specified Not Specified - - -

23617413 - Herbals\Mitragynine Spinal Fracture  
 Tremor;Psychomotor Hyperactivity;Skin Burning  
 Sensation;Headache;Insomnia;Drug Withdrawal Syndrome;Drug Dependence  
 Serious Required Intervention;Other Outcomes;Hospitalized  
 Female 20-NOV-2023 10-MAR-2024 Direct 33 YR 51.75  
 KG Fda-Ctu Consumer Not Specified - - 10-

MAR-2024	Not Specified	Not Specified	-	-	-
23616935	-	Herbals\Mitragynine	-	Muscle	
Twitching;Anger;Drug Dependence;Mood Swings;Vomiting;Nausea Non-Serious					
Male	-	09-MAR-2024	Direct	47 YR	
Not Specified	Fda-Ctu	Consumer	Not Specified	-	
-	09-MAR-2024	Not Specified	Not Specified	-	
-	-				
23415164	Methadone	Methadone			
Hydrochloride;Oxycodone;Buprenorphine\Naloxone;Herbals\Mitragynine					
Anaesthesia;Anxiety;Pain;Procedural Pain					
Palpitations;Intentional Product Misuse;Headache;Nausea;Chest Discomfort;Drug Dependence					
Male	-	07-MAR-2024	Expedited	42 YR	Not Specified
Teva	Healthcare Professional	Not Specified			
Bupivacaine;Alprazolam;Ketamine;Dexmedetomidine;Gabapentin;Hydromorpho ne;Celecoxib;Ropivacaine;Ketorolac;Acetaminophen					
23-FEB-2024					
18-JAN-2024	US	Not Specified	US-TEVA-VS-3134597		
Perez J. Kratom and opioid use disorder in the perioperative period: A case report on the expanding role of buprenorphine. J-Opioid-Manag 2023;19(1):91-93.; Perez J. Kratom and opioid use disorder in the perioperative period: A case report on the expanding role of buprenorphine. J-Opioid-Manag 2023;19(1):91-93. -					
23600038	-	Herbals\Mitragynine	-	Toxicity To	
Various Agents;Vomiting;Diarrhoea;Abdominal Pain Upper					
Hospitalized	Male	16-FEB-2024	05-MAR-2024	Direct	40 YR
90.72 KG	Fda-Ctu	Consumer	Not Specified	-	
-	05-MAR-2024	Not Specified	Not Specified	-	
-	-				
23595907	-	Hydromorphone			
Hydrochloride;Herbals\Mitragynine					
Pain	Renal				
Impairment;Overdose	Serious	Died;Other Outcomes	Male	-	
05-MAR-2024	Expedited	44 YR	Not Specified	Pfizer	
Healthcare Professional Not Specified					
Olanzapine;Escitalopram Oxalate;Zopiclone		04-MAR-2024	05-		
MAR-2024	CA	Not Specified	CA-PFIZER INC-202400056459		
-	-				
23591918	-	Herbals\Mitragynine	-	Seizure;Drug	
Dependence;Toxicity To Various Agents;Overdose					
19-MAR-2022	02-MAR-2024	Direct	30 YR	Not Specified	
Fda-Ctu	Consumer	Not Specified	-	-	02-
MAR-2024	Not Specified	Not Specified	-	-	-
23586351	-	Herbals\Mitragynine	Pain		
Hallucination;Psychotic Disorder;Seizure					
Hospitalized;Other Outcomes	Male	09-FEB-2024	01-MAR-2024		
Direct	48 YR	81 KG	Fda-Ctu	Consumer	Not Specified
Suboxone;Keppra;Duloxetine;Prazosin					
Not Specified	Not Specified	-	-	-	
23585473	-				
Nirmatrelvir;Herbals\Mitragynine;Ritonavir;Quetiapine					
Covid-19;Menopausal Symptoms;Phytotherapy;Product Used For Unknown					

Indication Serotonin Syndrome;Herbal Interaction;Drug Interaction  
 Serious Other Outcomes Not Specified - 01-MAR-2024  
 Expedited Not Specified Not Specified Hikma  
 Healthcare Professional Not Specified Metoprolol 15-FEB-2024  
 01-MAR-2024 US Not Specified US-HIKMA  
 PHARMACEUTICALS USA INC.-US-H14001-24-01483 "Albert R, Quraishi S,  
 Ashley K.. Albert R, Quraishi S, Ashley K. (146) Serotonin Syndrome in  
 COVID-19: Polypharmacy with Paxlovid and Kratom.. Journal of the  
 Academy of Consultation-Liaison Psychiatry.. 2024;64(Supplement)::72"  
 -  
 23585410 - Herbals\Mitragynine - Toxicity To  
 Various Agents Serious Died Male 29-NOV-2023 29-FEB-2024  
 Direct 40 YR 77.4 KG Fda-Ctu Consumer Not Specified  
 Benadryl;Zoloft - 29-FEB-2024 Not Specified Not  
 Specified - - -  
 23578412 - Quetiapine  
 Fumarate;Herbals\Mitragynine;Ritonavir;Nirmatrelvir  
 Covid-19;Menopausal Symptoms;Phytotherapy;Product Used For Unknown  
 Indication Serotonin Syndrome;Herbal Interaction;Drug Interaction  
 Serious Other Outcomes Female - 29-FEB-2024  
 Expedited 55 YR Not Specified Jubilant Healthcare  
 Professional Not Specified Metoprolol 15-FEB-2024 29-  
 FEB-2024 US Not Specified US-JUBILANT CADISTA  
 PHARMACEUTICALS-2024US000222 "Albert R, Quraishi S, Ashley K.  
 Serotonin Syndrome in COVID-19: Polypharmacy with Paxlovid and  
 Kratom.. Journal of the Academy of Consultation-Liaison Psychiatry..  
 2024;64(Supplement):S72" -  
 23543916 Paxlovid  
 Nirmatrelvir\Ritonavir;Quetiapine;Metoprolol;Herbals\Mitragynine  
 Covid-19;Menopausal Symptoms;Product Used For Unknown  
 Indication Serotonin Syndrome Serious Other Outcomes Female  
 - 29-FEB-2024 Expedited 55 YR Not Specified  
 Sandoz Healthcare Professional Not Specified - 16-  
 FEB-2024 20-FEB-2024 IL Not Specified IL-SANDOZ  
 INC.-SDZ2024IL014961 "Albert R, Quraishi S, Ashley K.. Serotonin  
 Syndrome in COVID-19: Polypharmacy with Paxlovid and Kratom. Journal  
 of the Academy of Consultation- Liaison Psychiatry. 64:S72" -  
 23569743 -  
 Herbals\Mitragynine;Ritonavir;Nirmatrelvir;Quetiapine  
 Covid-19;Menopausal Symptoms;Phytotherapy;Product Used For Unknown  
 Indication Drug Interaction;Herbal Interaction;Serotonin Syndrome  
 Serious Other Outcomes Not Specified - 27-FEB-2024  
 Expedited Not Specified Not Specified Macleods  
 Healthcare Professional Not Specified Metoprolol 15-  
 FEB-2024 27-FEB-2024 US Not Specified US-MACLEODS  
 PHARMACEUTICALS US LTD-MAC2024045997 "Albert R, Quraishi S, Ashley  
 K.. (146) Serotonin Syndrome in COVID-19: Polypharmacy with Paxlovid  
 and Kratom. Journal of the Academy of Consultation-Liaison Psychiatry.  
 2024;64:S72." -  
 23569619 -

Nirmatrelvir;Herbals\Mitragynine;Ritonavir;Quetiapine  
 Covid-19;Menopausal Symptoms;Phytotherapy;Product Used For Unknown  
 Indication Serotonin Syndrome;Herbal Interaction;Drug Interaction  
 Serious Other Outcomes Female - 27-FEB-2024  
 Expedited 55 YR Not Specified Accord Healthcare  
 Professional Not Specified Metoprolol 15-FEB-2024 27-  
 FEB-2024 US Not Specified US-  
 Accord-408486 "Albert R, Quraishi S, Ashley K. (146) Serotonin  
 Syndrome in COVID-19: Polypharmacy with Paxlovid and Kratom. Journal  
 of the Academy of Consultation-Liaison Psychiatry. 2024;64(Supplement):S72. DOI: 10.1016/j.jaclp.2023.11.616." -  
 23566169 -  
 Nirmatrelvir;Herbals\Mitragynine;Ritonavir;Quetiapine  
 Covid-19;Menopausal Symptoms;Phytotherapy;Product Used For Unknown  
 Indication Drug Interaction;Herbal Interaction;Serotonin Syndrome  
 Serious Other Outcomes Female - 26-FEB-2024  
 Expedited 55 YR Not Specified Dr Reddys Healthcare  
 Professional Not Specified Metoprolol 15-FEB-2024 26-  
 FEB-2024 US Not Specified US-RDY-SP0/USA/24/0003104  
 "Albert R, Quraishi S, Ashley K. (146) Serotonin Syndrome in  
 COVID-19: Polypharmacy with Paxlovid and Kratom. Journal of the  
 Academy of Consultation-Liaison Psychiatry. 2024;64(Supplement):S72.  
 DOI: 10.1016/j.jaclp.2023.11.616." -  
 23563823 Paxlovid  
 Nirmatrelvir\Ritonavir;Herbals\Mitragynine;Quetiapine Fumarate  
 Covid-19;Menopausal Symptoms;Phytotherapy;Product Used For Unknown  
 Indication Drug Interaction;Herbal Interaction;Serotonin Syndrome  
 Serious Other Outcomes Female - 26-FEB-2024  
 Expedited 55 YR Not Specified Lupin Healthcare  
 Professional Not Specified Metoprolol 14-FEB-2024 26-  
 FEB-2024 US Not Specified US-LUPIN PHARMACEUTICALS  
 INC.-2024-01273 "Albert R, Quraishi S, Ashley K. Serotonin Syndrome in  
 COVID-19: Polypharmacy with Paxlovid and Kratom. Journal of the  
 Academy of Consultation-Liaison Psychiatry. 2023;64:S72" -  
 23561779 Paxlovid  
 Nirmatrelvir\Ritonavir;Herbals\Mitragynine;Quetiapine  
 Covid-19;Menopausal Symptoms Drug Interaction;Serotonin Syndrome  
 Serious Other Outcomes Female - 25-FEB-2024  
 Expedited 55 YR Not Specified Princeton Pharmaceutical  
 Healthcare Professional Not Specified Metoprolol 14-FEB-2024  
 25-FEB-2024 US Not Specified US-PRINSTON  
 PHARMACEUTICAL INC.-2024PRN00081 "Albert R, Quraishi S, Ashley  
 K. (146) Serotonin Syndrome in COVID-19: Polypharmacy with Paxlovid  
 and Kratom. J. Acad. Consul. Liaison. Psychiatry. 2023;(64):S72"  
 -  
 23557160 Paxlovid  
 Nirmatrelvir\Ritonavir;Herbals\Mitragynine;Quetiapine Bipolar  
 Disorder;Covid-19;Menopausal Symptoms;Product Used For Unknown  
 Indication Drug Interaction;Serotonin Syndrome Serious  
 Hospitalized;Other Outcomes Female - 23-FEB-2024

Expedited	55 YR	Not Specified	Unichem Healthcare	
Professional	Not Specified	Metoprolol	09-FEB-2024	23-
FEB-2024	Not Specified	Not Specified	IL-Unichem	
Pharmaceuticals (USA) Inc-UCM202402-000159	-	-		
23556123	-	Quetiapine Fumarate;Herbals\Mitragynine		
Bipolar Disorder;Menopausal Symptoms;Product Used For Unknown				
Indication	Serotonin Syndrome	Serious Other Outcomes	Female	
-	22-FEB-2024	Expedited	55 YR	Not Specified
Amneal Healthcare Professional	Not Specified	Metoprolol		
13-FEB-2024	22-FEB-2024	IL	Not Specified	IL-
AMNEAL PHARMACEUTICALS-2024-AMRX-00591	"Albert R, Quraishi S, Ashley K.. (146) Serotonin Syndrome in COVID-19: Polypharmacy with Paxlovid and Kratom. J Acad Consult Liaison Psychiatry. 2023;64:S72"	-		
23552913	Paxlovid			
Nirmatrelvir\Ritonavir;Quetiapine;Herbals\Mitragynine	Bipolar			
Disorder;Covid-19;Hypertension;Menopausal Symptoms	Drug			
Interaction;Serotonin Syndrome	Serious Hospitalized	Female	-	
22-FEB-2024	Expedited	55 YR	Not Specified	Mylan
Healthcare Professional	Not Specified	Metoprolol		14-
FEB-2024	22-FEB-2024	US	Not Specified	US-
MYLANLABS-2024M1016323	"Albert R, Quraishi S, Ashley K. (146) Serotonin Syndrome in COVID-19: Polypharmacy with Paxlovid and Kratom. J-Acad-Consult-Liaison-Psychiatry 2023; 64 (Suppl.) S72 abstr. 146."	-		
23547485	-	Herbals\Mitragynine;Fentanyl	Product Used	
For Unknown Indication	Toxicity To Various Agents;Accidental Overdose			
Serious Died	Male	-	21-FEB-2024	Expedited
Not Specified	Not Specified	Alvogen Healthcare		
Professional	Not Specified	-	07-FEB-2024	21-FEB-2024
US	Not Specified	US-ALVOGEN-2024093073	"Torrico T, Patel K, Nikolov N, Salam MT, Padhy R, Weinstein D. Presence of kratom in opioid overdose deaths: findings from coroner postmortem toxicological report. Front. Psychiatry. 2024 Jan 10;14:1332999: doi:10.3389/fpsyt.2023.1332999"	-
23547479	-	Herbals\Mitragynine;Fentanyl	Product Used	
For Unknown Indication	Toxicity To Various Agents;Accidental Overdose			
Serious Died	Male	-	21-FEB-2024	Expedited
Not Specified	Not Specified	Alvogen Healthcare		
Professional	Not Specified	Cannabis Sativa Subsp. Indica Top		
07-FEB-2024	21-FEB-2024	US	Not Specified	US-
ALVOGEN-2024093074	"Torrico T, Patel K, Nikolov N, Salam MT, Padhy R, Weinstein D. Presence of kratom in opioid overdose deaths: findings from coroner postmortem toxicological report. Front. Psychiatry. 2024 Jan 10;14:1332999: doi:doi: 10.3389/fpsyt.2023.1332999"	-		
23547472	-	Herbals\Mitragynine;Fentanyl	Product Used	
For Unknown Indication	Accidental Overdose;Toxicity To Various Agents			
Serious Died	Male	-	21-FEB-2024	Expedited
Not Specified	Not Specified	Alvogen Healthcare		
Professional	Not Specified	-	07-FEB-2024	21-FEB-2024

US Not Specified US-ALVOGEN-2024093075 "Torrico T, Patel K, Nikolov N, Salam MT, Padhy R, Weinstein D. Presence of kratom in opioid overdose deaths: findings from coroner postmortem toxicological report. Frontiers in Psychiatry. 2024 Jan 10;14:1332999: doi:10.3389/fpsyt.2023.1332999" -

23523373 Valtrex Valacyclovir Hydrochloride;Ranitidine Hydrochloride;Albuterol;Acetaminophen\Codeine Phosphate\Methocarbamol;Acetaminophen;Methocarbamol;Loratadine;Diphenhydramine;Herbals\Mitragynine Product Used For Unknown Indication Foetal Exposure During Pregnancy;Drug Withdrawal Syndrome Neonatal Serious Hospitalized;Other Outcomes Female - 14-FEB-2024 Expedited Not Specified 3 KG Fresenius Kabi Healthcare Professional Not Specified Citalopram 05-FEB-2024 14-FEB-2024 CA Not Specified CA-FreseniusKabi-FK202401978 - -

23521867 Fluoxetine Fluoxetine Hydrochloride;Fentanyl;Herbals\Mitragynine;Bupropion - Drug Interaction;Serotonin Syndrome Serious Other Outcomes Male - 14-FEB-2024 Expedited 68 YR Not Specified Appco Pharma Healthcare Professional Not Specified - 31-JAN-2024 14-FEB-2024 US Not Specified US-Appco Pharma LLC-2153187 Initial -

23520936 Buspirone Buspirone Hydrochloride;Clonidine Hydrochloride;Alprazolam;Gabapentin;Cyclobenzaprine;Herbals\Mitragynine Product Used For Unknown Indication Toxicity To Various Agents Serious Died Not Specified - 14-FEB-2024 Expedited Not Specified Not Specified Alembic Healthcare Professional Not Specified - 02-FEB-2024 14-FEB-2024 US Not Specified US-ALEMBIC PHARMACEUTICALS LIMITED-2024SCAL000076 "Torrico T, Patel K, Nikolov N, Salam M.T, Padhy R, Weinstein D. Presence of kratom in opioid overdose deaths: findings from coroner postmortem toxicological report. Frontiers in Psychiatry. 2023;14 (1332999):1-4" -

23478277 Fluoxetine Fluoxetine Hydrochloride;Bupropion;Fentanyl;Herbals\Mitragynine Product Used For Unknown Indication Serotonin Syndrome Serious Other Outcomes Male - 13-FEB-2024 Expedited 68 YR Not Specified Aurobindo Healthcare Professional Not Specified - 31-JAN-2024 04-FEB-2024 US Not Specified US-AUROBINDO-AUR-APL-2024-003927 "Grundmann O, Hendrickson RG, Greenberg MI. Kratom: History, pharmacology, current user trends, adverse health effects and potential benefits. Disease-a-Month. 2023;69:6" -

23511751 - Herbals\Mitragynine;Propranolol Hydrochloride Product Used For Unknown Indication Completed Suicide;Cardio-Respiratory Arrest Serious Died Female 2022 12-FEB-2024 Expedited 25 YR Not Specified Endo Healthcare Professional Not Specified - 16-JAN-2024 12-FEB-2024 US Not Specified US-ENDO PHARMACEUTICALS INC-2024-000757 "Gummin DD, Mowry JB, Beuhler MC,

Spyker DA, Rivers LJ, Feldman R, et al.. 2022 Annual Report of the National Poison Data System (NPDS) from America's Poison Centers: 40th Annual Report. Clinical Toxicology. 2023;61 (10):717-939" -

23510164 Buspirone Buspirone  
Hydrochloride;Alprazolam;Gabapentin;Cyclobenzaprine;Herbals\Mitragynine;Clonidine Product Used For Unknown Indication Toxicity To Various Agents;Accidental Overdose Serious Died Female -  
11-FEB-2024 Expedited Not Specified Not Specified  
Aveva Healthcare Professional Not Specified - 30-  
JAN-2024 11-FEB-2024 US Not Specified US-  
AVEVA-000590 "Torrico T, Patel K, Nikolov N, Salam MT, Padhy R, Weinstein D. Presence of kratom in opioid overdose deaths: findings from coroner postmortem toxicological report. Front Psychiatry, 2024 Jan 10;14:1332999. doi: 10.3389/fpsyt.2023.1332999." -

23510163 - Fentanyl;Herbals\Mitragynine Product Used For Unknown Indication Accidental Overdose;Toxicity To Various Agents Serious Died Male - 11-FEB-2024 Expedited  
Not Specified Not Specified Aveva Healthcare Professional Not Specified - 30-JAN-2024 11-FEB-2024  
US Not Specified US-AVEVA-000591 "Torrico T, Patel K, Nikolov N, Salam MT, Padhy R, Weinstein D. Presence of kratom in opioid overdose deaths: findings from coroner postmortem toxicological report. Front Psychiatry, 2024 Jan 10;14:1332999. doi: 10.3389/fpsyt.2023.1332999." -

23510162 - Herbals\Mitragynine;Fentanyl Product Used For Unknown Indication Toxicity To Various Agents;Accidental Overdose Serious Died Male - 11-FEB-2024 Expedited  
Not Specified Not Specified Aveva Healthcare Professional Not Specified - 30-JAN-2024 11-FEB-2024  
US Not Specified US-AVEVA-000593 "Torrico T, Patel K, Nikolov N, Salam MT, Padhy R, Weinstein D. Presence of kratom in opioid overdose deaths: findings from coroner postmortem toxicological report. Front Psychiatry, 2024 Jan 10;14:1332999. doi: 10.3389/fpsyt.2023.1332999." -

23510161 - Herbals\Mitragynine;Cannabis Sativa Subsp. Indica Top;Fentanyl Product Used For Unknown Indication Accidental Overdose;Toxicity To Various Agents Serious Died Male - 11-FEB-2024 Expedited Not Specified Not Specified  
Aveva Healthcare Professional Not Specified - 30-JAN-2024 11-FEB-2024  
US Not Specified US-AVEVA-000592 "Torrico T, Patel K, Nikolov N, Salam MT, Padhy R, Weinstein D. Presence of kratom in opioid overdose deaths: findings from coroner postmortem toxicological report. Front Psychiatry, 2024 Jan 10;14:1332999. doi: 10.3389/fpsyt.2023.1332999." -

23509370 Fluoxetine Fluoxetine  
Hydrochloride;Herbals\Mitragynine;Bupropion Hydrochloride;Fentanyl Product Used For Unknown Indication Serotonin Syndrome Serious Other Outcomes Male - 10-FEB-2024  
Expedited 68 YR Not Specified Granules India Healthcare Professional Not Specified - 31-JAN-2024 10-FEB-2024

US	Not Specified	US-GRANULES-						
US-2024GRALIT00024	"Grundmann O.Kratom: History, pharmacology, current user trends, adverse health effects and potential benefits.DM Disease a Month .JAN-2023;69 (6)"	-						
23508595	-	Acetaminophen\Codeine						
Phosphate\Methocarbamol;Ranitidine								
Hydrochloride;Acetaminophen\Methocarbamol;Albuterol;Herbals\Mitragynine;Loratadine;Citalopram;Diphenhydramine	Product Used For Unknown Indication	Maternal Exposure During Pregnancy;Caesarean						
Section;Live Birth	Serious Other Outcomes	Female	-		09-			
FEB-2024	Expedited	37 YR	Not Specified	Fresenius Kabi				
	Healthcare Professional	Not Specified	-	05-FEB-2024				
09-FEB-2024	CA	Not Specified	CA-FreseniusKabi-					
FK202401977	-	-						
23506278	Fluoxetine;Fentanyl Transdermal System							
Fentanyl;Fluoxetine Hydrochloride;Herbals\Mitragynine	Pain;Product							
Used For Unknown Indication	Drug Interaction;Serotonin Syndrome							
Serious Other Outcomes	Male	-		09-FEB-2024				
Expedited	68 YR	Not Specified	Sciegen Healthcare					
Professional	Not Specified	Bupropion	01-FEB-2024	09-				
FEB-2024	US	Not Specified	US-SCIEGENP-2024SCLIT00039					
	"Grundmann O, et al..Kratom: History, pharmacology, current user trends, adverse health effects and potential benefits.DM Disease a Month.jun-2023;69 (6):1-13"	-						
23506205	Fluoxetine	Fluoxetine						
Hydrochloride;Herbals\Mitragynine;Fentanyl;Bupropion Hydrochloride	Product Used For Unknown Indication	Serotonin Syndrome						
Serious Other Outcomes	Male	-		09-FEB-2024				
Expedited	68 YR	Not Specified	Epic Pharm	Healthcare				
Professional	Not Specified	-	29-JAN-2024	09-FEB-2024				
US	Not Specified	US-EPICPHARMA-US-2024EPCLIT00240						
	"Grundmann O.Kratom: History, pharmacology, current user trends, adverse health effects and potential benefits.DM Disease a Month.JAN-2023;69"	-						
23496591	-	Herbals\Mitragynine	Substance Use	Drug				
Dependence;Withdrawal Syndrome;Night Sweats;Restless Legs								
Syndrome;Product Advertising Issue;Insomnia	Serious Other Outcomes							
Male	30-JAN-2024	08-FEB-2024	Direct	25 YR	63.5			
KG	Fda-Ctu	Not Specified	Not Specified	-	-	08-		
FEB-2024	Not Specified	Not Specified	-	-	-			
23494001	-	Herbals\Mitragynine	Product Used For					
Unknown Indication	Drug Dependence;Therapy	Cessation;Withdrawal						
Syndrome	Serious Required Intervention;Disabled	Female	26-					
JAN-2024	06-FEB-2024	Direct	35 YR	58.5 KG	Fda-Ctu			
Consumer	Not Specified	-	-	06-FEB-2024	Not			
Specified	Not Specified	-	-	-				
23493436	-	Herbals\Mitragynine	-	Stress;Loss Of				
Personal Independence In Daily Activities;Drug Dependence								
Serious Other Outcomes;Disabled;Required Intervention	Male	15-						
DEC-2023	06-FEB-2024	Direct	34 YR	76.5 KG	Fda-Ctu			



Consumer Specified	Not Specified	-	-	06-FEB-2024	Not
23484289	Fluoxetine	Fluoxetine			
Hydrochloride;Herbals\Mitragynine Pain Management;Product Used					
For Unknown Indication Serotonin Syndrome;Drug Interaction					
Serious Other Outcomes	Male	-	06-FEB-2024	Expedited	
68 YR	Not Specified	Sandoz	Healthcare Professional	Not	
Specified	Bupropion;Fentanyl	01-FEB-2024	06-FEB-2024		
US	Not Specified	US-SANDOZ INC.-			
SDZ2024US011043 "Grundmann O,Hendrickson R G,Greenberg M I. Kratom: History, pharmacology, current user trends, adverse health effects and potential benefits. Disease-a-Month. 2023;69" -					
23482002	Fluoxetine	Fluoxetine			
Hydrochloride;Bupropion;Fentanyl;Herbals\Mitragynine Pain					
Toxicity To Various Agents;Serotonin Syndrome;Drug Interaction					
Serious Life Threatening;Hospitalized;Other Outcomes	Male	-			
05-FEB-2024	Expedited	68 YR	Not Specified		
Ranbaxy Healthcare Professional	Not Specified	-	23-JAN-2024		
05-FEB-2024	US	Not Specified	US-SUN PHARMACEUTICAL		
INDUSTRIES LTD-2024R1-429836 "Grundmann O,Hendrickson RG, Greenberg MI. Kratom: History, pharmacology, current user trends, adverse health effects and potential benefits. Dis Mon. 2023;69 (6):1-13" -					
23480743	Fluoxetine	Fluoxetine			
Hydrochloride;Herbals\Mitragynine;Bupropion;Fentanyl Pain					
Prophylaxis	Serotonin Syndrome;Drug Interaction		Serious		
Hospitalized;Other Outcomes;Life Threatening	Male	-	05-FEB-2024		
Expedited	68 YR	Not Specified	Micro Labs		
Healthcare Professional	Not Specified	-	23-JAN-2024		
05-FEB-2024	US	Not Specified	US-862174955-		
ML2024-00643 "Grundmann O, Hendrickson RG, Greenberg MI. Kratom: History, pharmacology, current user trends, adverse health effects and potential benefits. Disease-a-Month. 2023;(69(6)): 1-13. doi:https://doi.org/10.1016/j.disamonth.2022.101442." -					
23480553	Fluoxetine	Fluoxetine			
Hydrochloride;Fentanyl;Herbals\Mitragynine;Bupropion Pain;Product					
Used For Unknown Indication Drug Interaction;Serotonin Syndrome					
Serious Other Outcomes	Not Specified	-	05-FEB-2024		
Expedited	Not Specified	Not Specified	Zydus Pharm		
Healthcare Professional	Not Specified	-	23-JAN-2024		
05-FEB-2024	US	Not Specified	US-CADILA HEALTHCARE		
LIMITED-US-ZYDUS-102808 "Grundmann O, Hendrickson RG, Greenberg MI.. Kratom: History, pharmacology, current user trends, adverse health effects and potential benefits.. Dis-Mon. 2023;69 No. 6." -					
23468572	-	Herbals\Mitragynine	Substance Use		
Product Complaint;Drug Dependence;Withdrawal Syndrome Serious					
Disabled;Other Outcomes	Male	26-JAN-2024	01-FEB-2024	Direct	
36 YR	72 KG	Fda-Ctu Consumer	Not Specified		
Herbals\Mitragynine	-	01-FEB-2024	Not Specified	Not	
Specified	-	-			
23466173	-	Herbals\Mitragynine	Osteoarthritis		

Constipation;Insomnia;Anxiety;Drug Dependence;Euphoric Mood;Influenza Like Illness;Nasal Congestion;Rhinorrhoea;Frustration Tolerance

Decreased	Serious	Other Outcomes	Male	31-JAN-2024	31-
JAN-2024	Direct	62 YR	91 KG	Fda-Ctu Healthcare	
Professional	Not Specified	-	-	31-JAN-2024	Not
Specified	Not Specified	-	-	-	

23461854 Fluoxetine Fluoxetine

Hydrochloride;Fentanyl;Herbals\Mitragynine;Bupropion Pain Drug

Interaction;Serotonin Syndrome Serious Other Outcomes;Hospitalized

Male	-	31-JAN-2024	Non-Expedited	68 YR	Not
Specified	Dr Reddys	Healthcare Professional	Not Specified		
-	18-JAN-2024	31-JAN-2024	US	Not Specified	

US-RDY-LIT/USA/24/0001565 "Grundmann O, Hendrickson RG, Greenberg MI. Kratom: History, pharmacology, current user trends, adverse health effects and potential benefits. DM Disease a Month. 2023 Jan;69(6): doi:10.1016/j.disamonth.2022.101442." -

23453746 Vivitrol Naltrexone;Herbals\Mitragynine Drug

Dependence;Product Used For Unknown Indication Substance Use;Feeling

Abnormal	Non-Serious	Non-Serious	Male	-	29-
JAN-2024	Non-Expedited	Not Specified	Not Specified		
Alkermes	Consumer	Not Specified	Vitamins		
Nos;Unspecified Ingredient	16-JAN-2024	29-JAN-2024	US		
Not Specified	US-ALKERMES INC.-ALK-2024-000103	-			

-

23450118 Fluoxetine Fluoxetine

Hydrochloride;Herbals\Mitragynine;Bupropion;Fentanyl Pain;Product

Used For Unknown Indication Serotonin Syndrome;Drug Interaction

Serious	Hospitalized;Other Outcomes	Male	-	29-
JAN-2024	Expedited	68 YR	Not Specified	Lupin
Healthcare Professional	Not Specified	-	18-JAN-2024	29-
JAN-2024	US	Not Specified	US-LUPIN PHARMACEUTICALS	

INC.-2024-00461 "Grundmann O, Hendrickson RG, Greenberg MI. Kratom: History, pharmacology, current user trends, adverse health effects and potential benefits. Disease-a-Month. 2023;69 (6):1-13" -

23448431 - Pseudoephedrine Hydrochloride;Getacetide

Acetate;Bupropion;Citalopram;Phenylpropanolamine;Herbals\Mitragynine

Product Used For Unknown Indication Toxicity To Various

Agents;Completed Suicide	Serious Died	Male	-	27-
JAN-2024	Expedited	39 YR	Not Specified	Johnson And
Johnson Healthcare Professional	Not Specified	-	16-JAN-2024	
27-JAN-2024	US	Not Specified	US-JNJF0C-20240152499	

-

23447568 "Venlafaxine;Heroin;Zolpidem;Trazodone;Alcohol (Alcohol);Hydroxyzine;Dextroamphetamine Saccharate, Amphetamine Aspartate, Dextroamphetamine Sulfate And Amphetamine Sulfate;Sertraline;Methadone;Restoril" Methadone

Hydrochloride;Temazepam;Olanzapine;Clonazepam;Carisoprodol;Valproic Acid;Cannabis Sativa Subsp. Indica

Top;Lorazepam;Guaifenesin;Etizolam;Tapentadol;Herbals\Mitragynine;Morphine;Secobarbital;Buprenorphine;Benzoylcegonine;Gabapentin;Diazepam;Co

caine; Oxazepam; Zopiclone; Phenylpropanolamine; Oxybate; Sertraline  
 Hydrochloride; Topiramate; Methylphenidate  
 Hydrochloride; Mirtazapine; Fentanyl  
 Citrate; Meprobamate; Alprazolam; Phencyclidine; Amphetamine  
 Aspartate\Amphetamine Sulfate\Dextroamphetamine  
 Saccharate\Dextroamphetamine  
 Sulfate; Pregabalin; Citalopram; Hydromorphone; Phenytoin; Hydroxyzine  
 Hydrochloride; Chlordiazepoxide; Diphenhydramine; Carbamazepine; Alcohol; C  
 yclobenzaprime; Trazodone  
 Hydrochloride; Midazolam; Dextromethorphan; Cathinone; Methamphetamine; Lam  
 otrigine; Oxycodone; Pseudoephedrine; Doxylamine; Oxymorphone  
 Hydrochloride; Hydrocodone; Diamorphine; Ketamine; Phentermine; Chlorphenir  
 amine; Zolpidem Tartrate; Tramadol; Venlafaxine  
 Hydrochloride; Codeine; Nordazepam                      Product Used For Unknown  
 Indication                      Impaired Driving Ability; Road Traffic Accident  
 Serious Died; Other Outcomes                      Not Specified                      -                      26-JAN-2024  
                     Expedited                      Not Specified                      Not Specified                      Specgx  
 Healthcare Professional                      Not Specified                      -                      18-JAN-2024                      26-  
 JAN-2024                      US                      Not Specified                      US-SPECGX-  
 T202400498                      "D'Orazio AL, Mohr AL, Chan-Hosokawa A, Harper C,  
 Huestis MA, Limoges JF et al. Recommendations for toxicological  
 investigation of drug-impaired driving and motor vehicle  
 fatalities-2021 update. Journal of Analytical Toxicology.  
 2021;45(6):529-36"                      -  
 23444436                      -                      Herbals\Mitragynine                      Pain Management Drug  
 Dependence; Product Formulation Issue; Product Communication  
 Issue; Product Advertising Issue; Victim Of Crime; Product Use In  
 Unapproved Indication                      Serious Disabled; Life Threatening; Hospitalized  
                     Female                      06-JAN-2024                      25-JAN-2024                      Direct                      39 YR                      178 LB  
                     Fda-Ctu Consumer                      Not Specified                      -                      -                      25-  
 JAN-2024                      Not Specified                      Y                      -                      -                      -  
 23442488                      Fluoxetine                      Fluoxetine  
 Hydrochloride; Bupropion; Fentanyl; Herbals\Mitragynine                      Pain; Product  
 Used For Unknown Indication                      Serotonin Syndrome; Drug Interaction  
                     Serious Other Outcomes                      Male                      -                      25-JAN-2024  
 Expedited                      68 YR                      Not Specified                      Apotex                      Healthcare  
 Professional                      Not Specified                      -                      18-JAN-2024                      25-JAN-2024  
                     US                      Not Specified                      US-APOTEX-2024AP001528                      "Grundmann O,  
 Hendrickson RG, Greenberg MI. Kratom: History, pharmacology, current  
 user trends, adverse health effects and potential benefits. Disease-a-  
 Month. 2023;69 (6) 101442:1-13"                      -  
 23440131                      Fluoxetine                      Fluoxetine  
 Hydrochloride; Herbals\Mitragynine; Fentanyl; Bupropion                      Pain                      Drug  
 Interaction; Serotonin Syndrome                      Serious Hospitalized                      Male                      -  
                     24-JAN-2024                      Expedited                      68 YR                      Not Specified  
 Strides Healthcare Professional                      Not Specified                      -                      18-JAN-2024  
                     24-JAN-2024                      US                      Not Specified                      US-STRIDES ARCOLAB  
 LIMITED-2024SP000856                      "Grundmann O, Hendrickson RG, Greenberg MI.  
 Kratom: History, pharmacology, current user trends, adverse health  
 effects and potential benefits.. Dis-Mon. 2023;69 (6)"                      -

23437711 Fluoxetine Fluoxetine  
Hydrochloride;Herbals\Mitragynine;Bupropion;Fentanyl Pain  
Serotonin Syndrome;Off Label Use;Drug Interaction Serious  
Hospitalized Male - 24-JAN-2024 Expedited 68 YR  
Not Specified Mylan Healthcare Professional Not Specified  
- 18-JAN-2024 24-JAN-2024 US Not Specified  
US-MYLANLABS-2024M1007022 "Grundmann O, Hendrickson RG,  
Greenberg MI. Kratom: History, pharmacology, current user trends,  
adverse health effects and potential benefits. Dis-Mon 2023; 69 (6):."

23427626 - Herbals\Mitragynine Anxiety Sudden Death  
Serious Died Male - 20-JAN-2024 Direct 20 YR  
58.5 KG Fda-Ctu Consumer Not Specified Prozac -  
20-JAN-2024 Not Specified Not Specified - -

23410220 - Tramadol;Herbals\Mitragynine Product Used  
For Unknown Indication Drug Use Disorder;Substance Use Disorder  
Serious Other Outcomes Female - 17-JAN-2024  
Expedited Not Specified Not Specified Mylan Healthcare  
Professional Not Specified - 10-JAN-2024 17-JAN-2024  
FR Not Specified FR-MYLANLABS-2024M1004418 -

23403415 - Herbals\Mitragynine;Quinine;Fentanyl  
Product Used For Unknown Indication Drug Abuse;Cardio-Respiratory  
Arrest Serious Died;Other Outcomes Male - 16-JAN-2024  
Expedited 35 YR Not Specified Aveva Healthcare  
Professional Not Specified - 02-JAN-2024 16-JAN-2024  
US Not Specified US-AVEVA-000253 "David D. Gummin,  
James B. Mowry, Michael C. Beuhler, Daniel A. Spyker, Laura J. Rivers,  
Ryan Feldman, Kaitlyn Brown, Nathaniel P.T. Pham, Alvin C. Bronstein  
& Carol DesLauriers (2023) 2022 Annual Report of the National  
Poison Data System (NPDS) from America's Poison Centers : 40th Annual  
Report, Clinical Toxicology, 61:10, 717-939." -

23402314 - Herbals\Mitragynine;Fentanyl Product Used  
For Unknown Indication Drug Abuse Serious Died;Other Outcomes  
Male - 15-JAN-2024 Expedited 26 YR Not  
Specified Aveva Healthcare Professional Not Specified -  
02-JAN-2024 15-JAN-2024 US Not Specified US-  
AVEVA-000099 "David D. Gummin, James B. Mowry, Michael C. Beuhler,  
Daniel A. Spyker, Laura J. Rivers, Ryan Feldman, Kaitlyn Brown,  
Nathaniel P.T. Pham, Alvin C. Bronstein & Carol DesLauriers (2023)  
2022 Annual Report of the National Poison Data System (NPDS) from  
America's Poison Centers : 40th Annual Report, Clinical Toxicology,  
61:10, 717-939" -

23402305 - Cocaine;Herbals\Mitragynine;Fentanyl  
Product Used For Unknown Indication Drug Abuse Serious  
Died;Other Outcomes Male - 15-JAN-2024 Expedited  
26 YR Not Specified Aveva Healthcare Professional Not  
Specified - 02-JAN-2024 15-JAN-2024 US Not  
Specified US-AVEVA-000093 "David D. Gummin, James B. Mowry,

Michael C. Beuhler, Daniel A. Spyker, Laura J. Rivers, Ryan Feldman, Kaitlyn Brown, Nathaniel P.T. Pham, Alvin C. Bronstein & Carol DesLauriers (2023) 2022 Annual Report of the National Poison Data System (NPDS) from America's Poison Centers : 40th Annual Report, Clinical Toxicology, 61:10, 717-939" -

23401864 - Cannabis Sativa Subsp. Indica  
Top;Fentanyl;Herbals\Mitragynine Product Used For Unknown  
Indication Drug Abuse Serious Other Outcomes;Died Male  
- 15-JAN-2024 Expedited 33 YR Not Specified  
Aveva Healthcare Professional Not Specified - 02-  
JAN-2024 15-JAN-2024 US Not Specified US-

AVEVA-000224 "David D. Gummin, James B. Mowry, Michael C. Beuhler, Daniel A. Spyker, Laura J. Rivers, Ryan Feldman, Kaitlyn Brown, Nathaniel P.T. Pham, Alvin C. Bronstein & Carol DesLauriers (2023) 2022 Annual Report of the National Poison Data System (NPDS) from America's Poison Centers : 40th Annual Report, Clinical Toxicology, 61:10, 717-939" -

23405969 - Herbals\Mitragynine Disturbance In  
Attention Job Dissatisfaction;Fear;Tremor;Paranoia;Decreased  
Appetite;Dyspepsia;Weight Decreased;Depression;Anxiety;Drug Dependence  
Serious Other Outcomes;Hospitalized;Disabled;Required  
Intervention Male 01-JAN-2024 14-JAN-2024 Direct 20 YR  
63 KG Fda-Ctu Consumer Not Specified - -  
14-JAN-2024 Not Specified Y - - -

23399922 - Herbals\Mitragynine;Fentanyl Product Used  
For Unknown Indication Drug Abuse Serious Died;Other Outcomes  
Male - 14-JAN-2024 Expedited 42 YR Not  
Specified Aveva Healthcare Professional Not Specified -  
02-JAN-2024 14-JAN-2024 US Not Specified US-

AVEVA-000354 "David D. Gummin, James B. Mowry, Michael C. Beuhler, Daniel A. Spyker, Laura J. Rivers, Ryan Feldman, Kaitlyn Brown, Nathaniel P.T. Pham, Alvin C. Bronstein & Carol DesLauriers (2023) 2022 Annual Report of the National Poison Data System (NPDS) from America's Poison Centers : 40th Annual Report, Clinical Toxicology, 61:10, 717-939" -

23405586 - Herbals\Mitragynine Depression  
Product Advertising Issue;Product Measured Potency Issue;Product  
Formulation Issue;Drug  
Dependence;Dependence;Hallucination;Tremor;Psychotic Disorder  
Serious Disabled;Required Intervention;Other Outcomes Male 13-  
JAN-2024 13-JAN-2024 Direct 40 YR 72 KG Fda-Ctu  
Consumer Not Specified Valium;Lunesta - 13-JAN-2024  
Not Specified Y - - -

23405515 Kava Piper Methysticum Root;Herbals\Mitragynine  
Product Used For Unknown Indication Disorientation;Feeling  
Abnormal;Lung Disorder;Product Contamination;Chest Pain;Taste  
Disorder;Poisoning;Diarrhoea;Product Complaint;Dyspnoea Non-Serious  
Non-Serious Male 01-DEC-2023 13-JAN-2024 Direct  
54 YR 105.75 KG Fda-Ctu Consumer Not Specified  
- - 13-JAN-2024 Not Specified Not Specified

23396807	-	Herbals\Mitragynine;Quinine;Fentanyl Citrate				
-	-	Drug Abuse;Respiratory Arrest;Cardiac Arrest				
Serious	Died;Other Outcomes	Male	2022	12-JAN-2024		
Expedited	35 YR	Not Specified	Pfizer	Healthcare		
Professional	Not Specified	-	05-JAN-2024	12-JAN-2024		
US	Not Specified	US-PFIZER				
INC-202400006919		"Gummin, D.. 2022 Annual Report of the National Poison Data System (NPDS) from America's Poison Centers: 40th Annual Report. Clinical Toxicology. 2023;61 (10):717-939"				-
23394684	-	Tramadol;Herbals\Mitragynine			Product Used	
For Unknown Indication		Substance Use Disorder;Drug Use Disorder				
Serious	Other Outcomes	Female	-	12-JAN-2024		
Expedited	Not Specified	Not Specified	Aurobindo			
Healthcare Professional	Not Specified	-	03-JAN-2024	12-JAN-2024		
JAN-2024	FR	Not Specified	FR-AUROBINDO-AUR-			
APL-2024-000826	-	-				
23392830	-	Herbals\Mitragynine	-		Drug	
Dependence;Tremor;Chest Pain		Serious Other Outcomes	Male	-		
11-JAN-2024		Direct	Not Specified	Not Specified	Fda-	
Ctu	Consumer	Not Specified	-	-	11-JAN-2024	
	Not Specified	Not Specified	-	-	-	
17904502		Trazodone;Amlodipine	Amlodipine Besylate;Bupropion Hydrochloride;Trazodone Hydrochloride;Desvenlafaxine;Alteplase;Ziprasidone Hydrochloride;Buspirone Hydrochloride;Herbals\Mitragynine Depression;Hypertension;Product Used For Unknown Indication;Type 2 Diabetes Mellitus			
		Self-Medication;Drug Interaction;Serotonin Syndrome;Clonus;Confusional State;Hyperhidrosis	Serious Other Outcomes;Hospitalized	Male	-	10-JAN-2024
	63 YR	102.5 KG	Aurobindo	Healthcare		
Professional	Not Specified					
Hydrochlorothiazide;Metformin;Omeprazole;Glimepiride;Gabapentin;Tizandine;Diclofenac	04-JAN-2024	17-JUN-2020	US	Not Specified		
	US-AUROBINDO-AUR-APL-2020-029111			"Eudaley ST, Hamilton LA, Brooks S P.. Case report: Successful treatment of suspected kratominduced serotonin syndrome.. J-Am-Coll-Ciin-Pharm. 2020;3(1):347"		-
23382096	-					
Bupropion;Citalopram;Dextromethorphan;Phenylpropanolamine;Herbals\Mitragynine;Pseudoephedrine		Product Used For Unknown Indication				
Cardio-Respiratory Arrest;Completed Suicide		Serious				
Hospitalized;Died;Other Outcomes		Male	2022	09-JAN-2024		
Expedited	39 YR	Not Specified	Apotex	Healthcare		
Professional	Not Specified	-	02-JAN-2024	09-JAN-2024		
US	Not Specified	US-APOTEX-2024AP000426				
Mowry JB, Beuhler MC, Spyker DA, Rivers LJ, Feldman R, Brown K, Pham NPT, Bronstein AC, DesLauriers C.. 2022 Annual Report of the National Poison Data System (NPDS) from America's Poison Centers: 40th Annual Report. Clinical Toxicology. 2023;61(10):717-939"						-

23380403 -  
Diphenhydramine;Acetaminophen;Herbals\Mitragynine Product Used  
For Unknown Indication Completed Suicide Serious  
Hospitalized;Other Outcomes;Died Female 2022 09-JAN-2024  
Expedited 45 YR Not Specified Apotex Healthcare  
Professional Not Specified - 02-JAN-2024 09-JAN-2024  
US Not Specified US-APOTEX-2024AP000179 "Gummin DD,  
Mowry JB, Beuhler MC, Spyker DA, Rivers LJ, Feldman R, Brown K, Pham  
NPT, Bronstein AC, DesLauriers C.. 2022 Annual Report of the National  
Poison Data System (NPDS) from America's Poison Centers: 40th Annual  
Report. Clinical Toxicology. 2023;61(10):717-939" -  
23380153 - Herbals\Mitragynine;Fentanyl Product Used  
For Unknown Indication Drug Abuse Serious Other Outcomes;Died  
Male - 09-JAN-2024 Expedited 32 YR Not  
Specified Aveva Healthcare Professional Not Specified -  
02-JAN-2024 09-JAN-2024 US Not Specified US-  
AVEVA-000208 "David D. Gummin, James B. Mowry, Michael C. Beuhler,  
Daniel A. Spyker, Laura J. Rivers, Ryan Feldman, Kaitlyn Brown,  
Nathaniel P.T. Pham, Alvin C. Bronstein & Carol DesLauriers (2023)  
2022 Annual Report of the National Poison Data System (NPDS) from  
America's Poison Centers : 40th Annual Report, Clinical Toxicology,  
61:10, 717-939" -  
21219859 Trazodone Ziprasidone Hydrochloride;Buspirone  
Hydrochloride;Trazodone  
Hydrochloride;Desvenlafaxine;Herbals\Mitragynine Product Used  
For Unknown Indication Self-Medication;Serotonin Syndrome;Drug  
Interaction Serious Hospitalized;Other Outcomes Male -  
06-JAN-2024 Expedited 63 YR 102.5 KG  
Aurobindo Healthcare Professional Not Specified  
Bupropion;Gabapentin;Glimepiride;Amlodipine;Metformin;Tizanidine;Hydro  
chlorothiazide;Diclofenac;Omeprazole 04-JAN-2024 17-AUG-2022  
US Not Specified US-AUROBINDO-AUR-APL-2022-031927  
"Eudaley ST, Brooks SP, Hamilton LA.. Case Report: Possible  
Serotonin Syndrome in a Patient Taking Kratom and Multiple  
Serotonergic Agents.. Journal of pharmacy practice. 2022;1-5" -  
23369479 - Herbals\Mitragynine Product Used For  
Unknown Indication Fall;Seizure;Loss Of Consciousness;Toxicity To  
Various Agents Serious Died Male 24-JUL-2023 04-JAN-2024  
Direct 25 YR 78.75 KG Fda-Ctu Consumer Not  
Specified - - 04-JAN-2024 Not Specified Not  
Specified - - -  
23367047 - Herbals\Mitragynine - Drug  
Ineffective Non-Serious Non-Serious Not Specified -  
04-JAN-2024 Direct Not Specified Not Specified Fda-  
Ctu Consumer Not Specified - - 04-JAN-2024  
Not Specified Not Specified - - -  
23351659 -  
Tapentadol;Pregabalin;Clonazepam;Herbals\Mitragynine;Carisoprodol  
Product Used For Unknown Indication Toxicity To Various  
Agents Serious Died Not Specified 23-APR-2021 29-DEC-2023

Expedited	Not Specified	Not Specified	Cipla
Consumer	Not Specified	Citalopram Hydrobromide	18-DEC-2023
29-DEC-2023	AU	Not Specified	AU-CIPLA
LTD.-2023AU08519	-	-	
23348129	-		
Phenylpropanolamine;Dextromethorphan;Pseudoephedrine;Herbals\Mitragynine;Citalopram;Bupropion Product Used For Unknown Indication			
Suspected Suicide;Cardio-Respiratory Arrest	Serious	Died;Other	
Outcomes	Not Specified	-	28-DEC-2023
Not Specified	Not Specified	Glaxosmithkline	Healthcare
Professional	Not Specified	-	25-DEC-2023
US	Not Specified	US-GSK-US2023GSK179976	"Gummin DD,
Mowry JB, Beuhler MC, Spyker DA, Rivers LJ, Feldman R, et al. 2022 Annual report of the national poison data system (NPDS) from america's poison Centers: 40th annual report. Clinical toxicology. 2023;61(10):717-939"			
2023;61(10):717-939"	-		
23310675	-		
Dextromethorphan;Bupropion;Phenylpropanolamine;Citalopram;Herbals\Mitragynine;Pseudoephedrine Product Used For Unknown Indication			
Cardiac Arrest;Respiratory Arrest;Completed Suicide	Serious		
Died;Other Outcomes	Male	-	21-DEC-2023
39 YR	Not Specified	Bausch And Lomb	Healthcare
Professional	Not Specified	-	13-DEC-2023
US	Not Specified	US-BAUSCH-	18-DEC-2023
BL-2023-018557 "Gummin D, Mowry J, Beuhler M, Spyker D, Rivers L, Feldman R, Brown K, Pham N, Bronstein A, DesLauriers C. 2022 Annual Report of the National Poison Data System (NPDS) from America's Poison Centers: 40th Annual Report. Clinical Toxicology. 2023 DEC 12;61(10):717-939. doi:10.1080/15563650.2023.2268981"			
23301058	-	Unspecified	
Ingredient;Acetaminophen;Herbals\Mitragynine			
Exposure To Toxic Agent;Completed Suicide	Serious	Died	
Female	2022	15-DEC-2023	Expedited
Specified	Galpharm International	Healthcare	Professional
Specified	-	13-DEC-2023	15-DEC-2023
Specified	US-PERRIGO-23US014157	-	-
23300559	-	Morphine	
Sulfate;Codeine;Naproxen;Herbals\Mitragynine			
Unknown Indication	Toxicity To Various Agents;Drug Abuse		
Serious Died;Hospitalized	Male	-	15-DEC-2023
Expedited	38 YR	Not Specified	Strides Healthcare
Professional	Not Specified	-	18-APR-2023
US	Not Specified	US-STRIDES	ARCOLAB
LIMITED-2023SP005907 "Rodriguez Salas J, Krotulski AJ, Newman R, Thogmartin JR, Mohr ALA, Logan BK.. Concentrations of para-Fluorofuranylfentanyl in Paired Central and Peripheral Blood Collected during Postmortem Death Investigations.. J-Anal-Toxicol. 2022;46(4):358-373"			
2022;46(4):358-373"	-		
23295786	Buspirone;Trazodone	Trazodone	
Hydrochloride;Buspirone			



Hydrochloride;Herbals\Mitragynine;Desvenlafaxine;Ziprasidone;Bupropion  
Hydrochloride Antibiotic Therapy;Anxiety Disorder;Major  
Depression;Phytotherapy;Product Used For Unknown Indication  
Hyperreflexia;Drug Interaction;Aphasia;Pyrexia;Delirium;Confusional  
State;Flushing;Facial Paralysis;Dysarthria;Clonus;Serotonin  
Syndrome;Tremor Serious Hospitalized;Other Outcomes Male -  
14-DEC-2023 Expedited 63 YR 102.5 KG  
Jubilant Healthcare Professional Not Specified  
Diclofenac;Glimepiride;Tizanidine;Omeprazole;Hydrochlorothiazide;Gabap  
entin;Vancomycin;Metformin;Piperacillin Sodium\Tazobactam  
Sodium;Amlodipine;Acetaminophen 04-DEC-2023 14-DEC-2023 US  
Not Specified US-JUBILANT CADISTA  
PHARMACEUTICALS-2023US001597 "Eudaley ST, Brooks SP, Hamilton LA..  
Case Report: Possible Serotonin Syndrome in a Patient Taking Kratom  
and Multiple Serotonergic Agents. Journal of Pharmacy Practice.  
2023;36(6):1523-1527" -  
23257219 Trazodone;Buspirone Buspirone  
Hydrochloride;Trazodone  
Hydrochloride;Herbals\Mitragynine;Desvenlafaxine;Ziprasidone  
Product Used For Unknown Indication Drug Interaction;Serotonin  
Syndrome Serious Hospitalized Male - 04-DEC-2023  
Expedited 63 YR 102.5 KG Alvogen Healthcare  
Professional Not Specified  
Tizanidine;Bupropion;Hydrochlorothiazide;Omeprazole;Gabapentin;Diclofe  
nac;Metformin;Amlodipine;Glimepiride 23-NOV-2023 04-DEC-2023  
US Not Specified US-ALVOGEN-2023092653 "Eudaley S T,  
Brooks S P, Hamilton L A. Case Report: Possible Serotonin Syndrome in  
a Patient Taking Serotonergic Agents. journal of Pharmacy Practice.  
2023;36(6):1523?1527. doi:10.1177/08971900221116009" -  
17861180 Buspirone;Trazodone Trazodone  
Hydrochloride;Desvenlafaxine Succinate;Bupropion;Buspirone  
Hydrochloride;Herbals\Mitragynine;Ziprasidone Hydrochloride  
Depression Serotonin Syndrome;Drug Interaction;Off Label Use  
Serious Hospitalized;Life Threatening;Other Outcomes Male  
- 28-NOV-2023 Expedited 63 YR 102 KG Pfizer  
Healthcare Professional Not Specified  
Tizanidine;Omeprazole;Gabapentin;Metformin;Glimepiride;Hydrochlorothia  
zide;Amlodipine Besylate;Diclofenac 20-NOV-2023 04-JUN-2020  
US Not Specified US-PFIZER  
INC-2020216505 "Eudaley, S.. Case report: Successful treatment of  
suspected kratom-induced serotonin syndrome. Journal of the American  
College of Clinical Pharmacy. 2020;3 (1):347" -  
23230891 - Herbals\Mitragynine - Substance  
Use;Toxicity To Various Agents Serious Died Female 09-JAN-2023  
24-NOV-2023 Direct 24 YR 54 KG Fda-Ctu Consumer  
Not Specified - - 24-NOV-2023 Not Specified  
Not Specified - - -  
23224916 Buspirone;Trazodone Trazodone  
Hydrochloride;Ziprasidone;Buspirone  
Hydrochloride;Desvenlafaxine;Herbals\Mitragynine;Bupropion

Anxiety Disorder;Major Depression;Product Used For Unknown Indication	Drug Interaction;Serotonin Syndrome	Serious	Hospitalized			
Male	-	24-NOV-2023	Expedited	63 YR	102.5	
KG	Emcure Healthcare Professional	Not Specified				
Glimepiride;Gabapentin;Diclofenac;Metformin;Tizanidine;Hydrochlorothiazide;Omeprazole;Amlodipine	14-NOV-2023	24-NOV-2023	US			
Not Specified	US-AVET LIFESCIENCES LTD-2023-AVET-000342					
"Eudaley ST, Brooks SP, Hamilton LA.. Case Report: Possible Serotonin Syndrome in a Patient Taking Kratom and Multiple Serotonergic Agents. Journal of Pharmacy Practice. 2023;36(6):1523-1527"	-					
23182254	-	Herbals\Mitragynine	Pain	Substance		
Use;Recalled Product Administered;Salmonellosis	Serious					
Disabled;Required Intervention	Male	13-NOV-2023	14-NOV-2023			
Direct	31 YR	Not Specified	Fda-Ctu	Consumer	Not	
Specified	-	-	14-NOV-2023	Not Specified	Not	
Specified	-	-	-			
23164703	-	Dietary Supplement\Herbals;Herbals\Mitragynine				
-	Product Formulation Issue;Product Information Content					
Complaint	Non-Serious	Non-Serious	Male	-	08-	
NOV-2023	Direct	Not Specified	Not Specified	Fda-Ctu		
Consumer	Not Specified	-	-	08-NOV-2023	Not	
Specified	Not Specified	-	-	-		
23149661	-	Herbals\Mitragynine;Sildenafil;Dietary				
Supplement	Erectile Dysfunction	Visual Impairment;Therapeutic				
Response Unexpected;Euphoric Mood;Mydriasis	Serious	Other Outcomes				
Male	28-OCT-2023	04-NOV-2023	Direct	37 YR	94.5	
KG	Fda-Ctu	Consumer	Not Specified	-	-	04-
NOV-2023	Not Specified	Not Specified	-	-	-	
23124390	-	Herbals\Mitragynine	-	Educational		
Problem;Dependence;Withdrawal Syndrome	Serious	Disabled;Other				
Outcomes	Male	27-OCT-2023	28-OCT-2023	Direct	Not	
Specified	Not Specified	Fda-Ctu	Consumer	Not Specified		
-	-	28-OCT-2023	Not Specified	Not Specified		
-	-	-				
23101045	-	Mirtazapine;Herbals\Mitragynine	Anxiety			
Toxicity To Various Agents;Cardiac Arrest	Serious	Died	Male			
20-DEC-2022	20-OCT-2023	Direct	24 YR	Not Specified		
Fda-Ctu	Not Specified	Not Specified	-	-	20-	
OCT-2023	Not Specified	Not Specified	-	-	-	
23090657	-	Herbals\Mitragynine	Pain	Withdrawal		
Syndrome;Drug Dependence	Serious	Required				
Intervention;Disabled;Other Outcomes	Female	20-OCT-2023	20-			
OCT-2023	Direct	50 YR	110.25 KG	Fda-Ctu	Consumer	
Not Specified	-	-	20-OCT-2023	Not Specified		
Not Specified	-	-	-			
23080351	-	Herbals\Mitragynine	-	Circulatory		
Collapse;Tremor;Loss Of Consciousness;Legal Problem;Substance						
Use;Fall;Toxicity To Various Agents	Serious	Died	Male	19-		
NOV-2020	18-OCT-2023	Direct	43 YR	Not Specified	Fda-	

Ctu	Healthcare Professional	Not Specified	-	-	18-
OCT-2023	Not Specified	Not Specified	-	-	-
23070450	-	Herbals\Mitragynine;Hydromorphone			
Hydrochloride;Olanzapine		Pain;Product Used For Unknown			
Indication	Renal Impairment;Completed Suicide;Overdose;Toxicity				
To Various Agents	Serious Died;Other Outcomes	Male	-		
16-OCT-2023	Expedited	44 YR	Not Specified	Purdue	
Healthcare Professional	Not Specified				
Escitalopram;Herbals\Mitragynine;Zopiclone		10-OCT-2023	16-		
OCT-2023	CA	Not Specified	CA-PURDUE-USA-2023-0305318		
"Shi T, Shea J.L. A case of fatal overdose involving both hydromorphone and kratom. Journal of forensic sciences. 2023;00:1-4"					
-					
23065925	Hydromorphone Hcl	Hydromorphone			
Hydrochloride;Herbals\Mitragynine;Olanzapine		Product Used For			
Unknown Indication	Renal Impairment;Toxicity To Various Agents				
	Serious Other Outcomes	Male	-	14-OCT-2023	
Expedited	44 YR	Not Specified	Indoco Healthcare		
Professional	Not Specified	-	01-OCT-2023	14-OCT-2023	
CA	Not Specified	CA-Indoco-000464	"Shi T, Shea		
JL. A case of fatal overdose involving both hydromorphone and kratom. J Forensic Sci. 2023 Sep 27"					
-					
23065827	Hydromorphone Hcl	Hydromorphone			
Hydrochloride;Herbals\Mitragynine;Olanzapine		Product Used For			
Unknown Indication	Toxicity To Various Agents;Renal Impairment				
	Serious Other Outcomes	Male	-	14-OCT-2023	
Expedited	44 YR	Not Specified	Cadila Healthcare		
Professional	Not Specified	-	01-OCT-2023	14-OCT-2023	
CA	Not Specified	CA-CPL-003703	"Shi T, Shea JL. A		
case of fatal overdose involving both hydromorphone and kratom. J Forensic Sci. 2023 Sep 27."					
-					
23059601	-	Herbals\Mitragynine	-		
Seizure;Intentional Product Use Issue	Serious Other Outcomes;Life				
Threatening	Female	11-OCT-2023	12-OCT-2023	Direct	72 YR
69.8 KG	Fda-Ctu Healthcare Professional	Not Specified			
Ibuprofen;Amlodipine					
Besylate;Metformin;Levothyroxine;Doxycycline;Losartan;Duloxetine;Pregabalin					
-	12-OCT-2023	Not Specified	Not Specified	-	
-					
23050243	-	Herbals\Mitragynine	Anxiety	Adverse Drug	
Reaction	Serious	Died	Male	20-DEC-2022	09-OCT-2023
Direct	24 YR	85.5 KG	Fda-Ctu Consumer		Not Specified
-	-	09-OCT-2023	Not Specified		Not Specified
-					
23037565	-	Herbals\Mitragynine	Disturbance In		
Attention	Dehydration;Retching;Malaise;Vomiting;Feeling				
Abnormal;Hot Flush;Nausea	Non-Serious	Non-Serious	Female		
04-OCT-2023	05-OCT-2023	Direct	49 YR	70.2 KG	Fda-
Ctu	Consumer	Not Specified			
Ginkgo;Omeprazole;Glucosamine;Curcumin;Diclofenac			-	05-	

OCT-2023	Not Specified	Y	-	-	-
23020201	-	Herbals\Mitragynine	-	-	Brain
Death;Fall	Serious	Died	Male	09-FEB-2023	02-OCT-2023
Direct	40 YR	86.4 KG	Fda-Ctu	Consumer	Not Specified
Device	-	02-OCT-2023	Not Specified	Not Specified	Not Specified
-	-	-	-	-	-
23015048	Methadone;Vivitrol				
Naltrexone;Herbals\Mitragynine;Methadone Hydrochloride	Drug				
Dependence;Product Used For Unknown Indication	Contraindicated				
Product Administered	Non-Serious	Non-Serious	Female	15-	
AUG-2023	02-OCT-2023	Non-Expedited	Not Specified	Not	
Specified	Alkermes	Healthcare Professional	Not Specified	Not	
Remeron	21-SEP-2023	02-OCT-2023	US	Not Specified	
US-ALKERMES INC.-ALK-2023-003852	-	-	-	-	
22640937	-	Nortriptyline;Herbals\Mitragynine;Baclofen			
Product Used For Unknown Indication	Unresponsive To				
Stimuli;Lethargy;Electrocardiogram Qrs Complex Prolonged					
Serious Other Outcomes	Female	-	30-SEP-2023	Expedited	
57 YR	Not Specified	Ranbaxy	Healthcare Professional	Not	
Specified	-	17-SEP-2023	26-JUN-2023	US	Not
Specified	US-SUN PHARMACEUTICAL INDUSTRIES LTD-2023R1-396279				
"Palungwachira P, Yeh M, Whitworth B, Rushton W, Kazzi Z.					
Clinical Characteristics of Kratom Exposures Reported to the Georgia					
and Alabama Poison Control Centers from 2016-2020: A Retrospective					
Review. J Drug Alcohol Res. 2022;11(2):236162"	-				
21614526	-				
Herbals\Mitragynine;Buprenorphine;Buprenorphine\Naloxone	Drug				
Use Disorder	Exposure During Pregnancy;Drug Ineffective;Drug				
Withdrawal Syndrome	Serious Other Outcomes	Female	-	29-	
SEP-2023	Expedited	27 YR	Not Specified	Ranbaxy	
Healthcare Professional	Not Specified	-	26-SEP-2023	18-	
NOV-2022	US	Not Specified	US-SUN PHARMACEUTICAL		
INDUSTRIES LTD-2022R1-364360	"Zoucha K, Moore C. Kratom Use in				
Pregnancy. J Addict Med. 2022;Sep/Oct; 16(5):e331-e332"	-				
22994000	-	Herbals\Mitragynine	Anxiety;Depression		
Toxicity To Various Agents;Seizure;Overdose	Serious Died				
Male	-	27-SEP-2023	Direct	36 YR	Not Specified
Fda-Ctu	Healthcare Professional	Not Specified	-	-	
27-SEP-2023	Not Specified	Not Specified	-	-	
-	-	-	-	-	
22993960	-	Herbals\Mitragynine	-	Toxicity To	
Various Agents;Loss Of Consciousness	Serious Died			Female	-
27-SEP-2023	Direct	39 YR	Not Specified	Fda-Ctu	
Healthcare Professional	Not Specified	-	-	27-SEP-2023	
Not Specified	Not Specified	-	-	-	
22980079	-	Herbals\Mitragynine	Product Used For		
Unknown Indication	Suicidal Ideation;Withdrawal				
Syndrom;Constipation;Depression;Restless Legs					
Syndrom;Hyperhidrosis;Insomnia;Anxiety	Serious Other Outcomes	Not			
Specified	23-JUN-2023	24-SEP-2023	Direct	40 YR	80.1

KG	Fda-Ctu	Consumer	Not Specified	-	-	24-
SEP-2023		Not Specified	Not Specified	-	-	-
22910630		Spravato	Esketamine;Herbals\Mitragynine			
Anxiety;Attention Deficit Hyperactivity						
Disorder;Depression;Generalised Anxiety Disorder;Insomnia;Major						
Depression Sedation;Overdose;Loss Of Consciousness Serious Life						
Threatening;Other Outcomes Female 2023 22-SEP-2023						
Expedited	44 YR	Not Specified	Johnson And Johnson			
Healthcare Professional Not Specified						
Lunesta;Lexapro;Vyvanse;Klonopin			15-SEP-2023		06-SEP-2023	
US	Not Specified	US-JNJFOC-20230868578	-		-	
22940434	-	Herbals\Mitragynine	-			
Autopsy;Toxicity To Various Agents Serious Died Male -						
13-SEP-2023	Direct	50 YR	Not Specified	Fda-Ctu		
Healthcare Professional Not Specified - - 13-SEP-2023						
Not Specified Not Specified - - -						
16489116	Amlodipine;Fluoxetine		Fluoxetine			
Hydrochloride;Herbals\Mitragynine;Diphenhydramine;Amlodipine						
Besylate;Sildenafil;Bentiamine\Bucetin\Caffeine\Ethenzamide;Trimiprami						
ne Product Used For Unknown Indication Pulmonary						
Oedema;Pneumonia;Toxicity To Various Agents Serious Other						
Outcomes;Died	Male	-	12-SEP-2023	Expedited	56 YR	
Not Specified Aurobindo Healthcare Professional Not						
Specified	-	02-SEP-2023	28-JUN-2019	DE	Not	
Specified	DE-AUROBINDO-AUR-APL-2019-036700			"Fels H,		
Lottner-Nau S, Sax T, Roeder G, Graw M, Auwärter V, Musshoff F.						
Postmortem concentrations of the synthetic opioid U-47700 in 26						
fatalities associated with the drug. Forensic Science International.						
2019;S0379-0738(19):30141-0" -						
22925721	Buspirone;Paxlovid					
Nirmatrelvir\Ritonavir;Herbals\Mitragynine;Buspirone						
Hydrochloride;Quetiapine Covid-19 Treatment Serotonin						
Syndrome;Drug Interaction Serious Other Outcomes;Hospitalized						
Female	-	08-SEP-2023	Expedited	5 DEC	Not	
Specified	Pfizer	Healthcare Professional	Not Specified			
Clonazepam;Lamotrigine	06-SEP-2023	08-SEP-2023	US	Not		
Specified	US-PFIZER INC-PV202300151755			"Nasser, N.. Serotonin		
Syndrome Precipitated by Paxlovid Initiation. Cureus. 2023" -						
22923659	-	Herbals\Mitragynine	Drug Dependence	Drug		
Dependence	Serious	Hospitalized;Required Intervention		Male		
01-SEP-2023	07-SEP-2023	Direct	33 YR	67.5 KG	Fda-	
Ctu	Consumer	Not Specified	Adderall	-	07-	
SEP-2023	Not Specified	Not Specified	-	-	-	
22913233	-					
Zopiclone;Citalopram;Lamotrigine;Herbals\Mitragynine Product Used						
For Unknown Indication Drug Interaction;Pneumonia;Poisoning						
Serious Died	Male	-	06-SEP-2023	Expedited	Not	
Specified	Not Specified	Mylan	Healthcare Professional	Not		
Specified	-	01-SEP-2023	06-SEP-2023	NO	Not	
Specified	NO-MYLANLABS-2023M1092220			"Karinen R, Fosen J,		

Rogde S, Vindenes V.. An accidental poisoning with mitragynine. Forensic Science International. 2014;245:E29-E32" -

22907600 - Herbals\Mitragynine Pain Abdominal Pain Upper;Vomiting;Drug Dependence;Myalgia;Diarrhoea;Withdrawal Syndrome;Nausea;Hyperhidrosis;Anxiety Non-Serious Non-Serious

Male 31-AUG-2023 04-SEP-2023 Direct 36 YR 75.15 KG Fda-Ctu Consumer Not Specified - - 04-SEP-2023 Not Specified Not Specified - - -

22882565 - Herbals\Mitragynine Substance Use Death;Psychotic Disorder;Bipolar Disorder Serious Died;Life Threatening Male 24-JUL-2023 29-AUG-2023 Direct 30 YR 76.5 KG Fda-Ctu Consumer Not Specified Cannabis Sativa Subsp. Indica Top;Lyrica;Lithium - 29-AUG-2023 Not Specified Not Specified - - -

22868001 Lybalvi Olanzapine\Samidorphan L-Malate;Herbals\Mitragynine Bipolar I Disorder;Product Used For Unknown Indication;Substance Abuse;Thyroid Disorder Withdrawal Syndrome Non-Serious Non-Serious Female - 25-AUG-2023 Non-Expedited Not Specified 67.574 KG Alkermes Consumer Not Specified

Levothyroxine;Lithium;Paxil;Latuda;Wellbutrin;Unspecified Ingredient;Lamictal 23-AUG-2023 25-AUG-2023 US Not Specified US-ALKERMES INC.-ALK-2023-003522 - -

22843148 - Herbals\Mitragynine Drug Dependence Arrhythmia;Taste Disorder;Drug Tolerance Increased;Gastrointestinal Disorder;Pruritus;Dependence;Vomiting;Erectile Dysfunction;Diarrhoea;Coordination Abnormal;Heart Rate Increased;Hyperhidrosis;Headache;Withdrawal Syndrome;Blood Pressure Increased Serious Disabled;Life Threatening;Required Intervention Male 01-AUG-2023 20-AUG-2023 Direct 38 YR 76.5 KG Fda-Ctu Consumer Not Specified - - 20-AUG-2023 Not Specified Not Specified - -

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22843104 - Herbals\Mitragynine Alcohol Use Disorder Substance Use;Cardiac Arrest Serious Died Male 19-DEC-2021 19-AUG-2023 Direct 34 YR 90 KG Fda-Ctu Consumer Not Specified - - 19-AUG-2023 Not Specified Not Specified - - -

22839704 - Zopiclone;Lamotrigine;Citalopram;Herbals\Mitragynine Product Used For Unknown Indication Drug Interaction;Poisoning;Pneumonia Serious Died Male - 18-AUG-2023 Expedited Not Specified Not Specified Abbvie Healthcare Professional Not Specified - 14-AUG-2023 18-AUG-2023 NO Not Specified NO-ABBVIE-5372226 "Karinen R, Fosen J, Rogde S, Vindenes V. An accidental poisoning with mitragynine. Forensic Sci Int. 2014;245:E29-E32." -

22820761 - Herbals\Mitragynine - Overdose;Seizure;Cardiac Arrest;Brain Death Serious Died Female 04-AUG-2023 13-AUG-2023 Direct 30 YR 70 KG Fda-

Ctu	Healthcare Professional	Not Specified	-	-	13-
AUG-2023	Not Specified	Not Specified	-	-	-
22819308	-	Herbals\Mitragynine	Alcoholism;Anxiety		
	Generalised Tonic-Clonic Seizure		Serious Other		
Outcomes;Hospitalized;Life Threatening	Male	04-JUL-2023	12-		
AUG-2023	Direct	31 YR	85.5 KG	Fda-Ctu	Consumer
Specified	-	-	12-AUG-2023	Not Specified	Not
Specified	-	-	-		
17889667	Buspirone;Trazodone	Trazodone			
Hydrochloride;Buspirone					
Hydrochloride;Herbals\Mitragynine;Bupropion;Desvenlafaxine					
Succinate;Ziprasidone	Depression;Hypertension;Product Used For				
Unknown Indication;Type 2 Diabetes Mellitus	Drug				
Interaction;Serotonin Syndrome	Serious Hospitalized	Male	-		
10-AUG-2023	Expedited	63 YR	102.5 KG		Mylan
Healthcare Professional	Not Specified				
Glimepiride;Amlodipine;Gabapentin;Tizanidine;Omeprazole;Hydrochlorothiazide;Diclofenac;Metformin	01-AUG-2023	12-JUN-2020	US		
Not Specified	US-MYLANLABS-2020M1055177	"Eudaley ST,			
Hamilton LA. Case report: Successful treatment of suspected kratominduced serotonin syndrome. J-Am-Coll-Clin-Pharm 2020;3(1):347 abstr. 450."	-				
16314630	-	Herbals\Mitragynine;Quetiapine	Bipolar		
Disorder;Product Used For Unknown Indication	Toxicity To Various				
Agents;Drug Interaction	Serious Died	Male	-	09-AUG-2023	
Expedited	27 YR	Not Specified	Teva	Healthcare	
Professional	Not Specified	-	31-JUL-2023	15-MAY-2019	
US	Not Specified	US-TEVA-2019-US-1049610	-	-	
22802961	-	Herbals\Mitragynine	Anxiety;Insomnia		
Drug Dependence;Quality Of Life Decreased			Serious Other		
Outcomes;Life Threatening;Required Intervention	Male	08-AUG-2023			
08-AUG-2023	Direct	31 YR	65.25 KG	Fda-Ctu	
Consumer	Not Specified	-	-	08-AUG-2023	Not
Specified	Not Specified	-	-	-	
22798057	Alcohol (Alcohol);Heroin				
Oxycodone;Diamorphine;Clonazepam;Hydrocodone;Hydromorphone;Psilocin;Phencyclidine;Codeine;Flualprazolam;Morphine;Oxymorphone;Alcohol;Flubromazolam;Herbals\Mitragynine;Clonazolam;Fluoroketamine	-				
Nystagmus;Drug Abuse;Sinus Tachycardia;Sinus Bradycardia;Fall;Toxicity To Various Agents;Sinus Arrhythmia;Mental Status Changes					
Serious Hospitalized;Other Outcomes	Male	-	08-AUG-2023		
Expedited	28 YR	Not Specified	Cheplapharm		
Healthcare Professional	Not Specified	-	01-AUG-2023	08-	
AUG-2023	US	Not Specified	US-		
CHEPLA-2023009702	"Domanski K, Fleming SW, Maag H, Raley EB, DeBord J, Wright B, et al. A Psychonaut's Experience of Intoxication with Multiple Classes of Drugs Including Novel Psychoactive Substance 2-fluorodeschloroketamine: Case Report and Urinary Analysis. Journal of psychoactive drugs. 2022;54(4):319-323. DOI: 10.1080/02791072.2021.2006373."	-			

22798022 - Herbals\Mitragynine -  
 Gastrointestinal Haemorrhage Serious Died Male 25-AUG-2018  
 07-AUG-2023 Direct 30 YR Not Specified Fda-Ctu  
 Consumer Not Specified - - 07-AUG-2023 Not  
 Specified Not Specified - - -  
 22789411 - Quetiapine;Herbals\Mitragynine;Cannabis Sativa  
 Flowering Top Back Pain;Depression Toxicity To Various  
 Agents;Drug Interaction Serious Other Outcomes;Hospitalized Male  
 - 04-AUG-2023 Expedited 33 YR Not Specified  
 Astrazeneca Healthcare Professional Not Specified  
 Methadone;Hydroxyzine 27-JUL-2023 04-AUG-2023 Not Specified  
 Not Specified US-AstraZeneca-2023A174118 "Lefkovich E,  
 Downing M, Zouridis S. Over-The-Counter Overdose: Toxicity Secondary  
 to an Herbal Pain Supplement. 2023 RESIDENT AND MEDICAL STUDENT FORUM  
 - NEW YORK CHAPTER OF THEAMERICAN COLLEGE OF PHYSICIANS (NYACP) 2023;"  
 -  
 22787068 -  
 Alprazolam;Morphine;Hydrocodone;Oxymorphone;Desmetramadol;Herbals\Mitragynine;Clonazepam;Hydromorphone;Lorazepam;Phencyclidine;Codeine;Oxycodone;Ketamine Product Used For Unknown Indication  
 Bradycardia;Nystagmus;Drug Abuse;Mental Status Changes;Fall;Sinus  
 Tachycardia;Pupillary Reflex Impaired;Dissociative Disorder  
 Serious Hospitalized;Other Outcomes Male - 04-AUG-2023  
 Expedited 28 YR Not Specified Lupin Healthcare  
 Professional Not Specified - 25-JUL-2023 04-AUG-2023  
 US Not Specified US-LUPIN PHARMACEUTICALS  
 INC.-2023-06389 "Domanski k, Fleming SW, Maag H, Raley E, Debord J,  
 Wright B, et al. A Psychonaut's experience of intoxication with  
 multiple classes of drugs including novel psychoactive substance 2-  
 fluorodeschloroketamine: Case report and urinary analysis. Journal Of  
 Psychoactive Drugs. 2022;54(4):319-323" -  
 22780091 Heroin  
 Diamorphine;Ketamine;Oxymorphone;Clonazepam;Oxycodone;Hydrocodone;Morphine Sulfate;Herbals\Mitragynine;Hydromorphone Product Used For  
 Unknown Indication Bradycardia;Drug Abuse;Mental Status  
 Changes;Substance Use Serious Hospitalized Male - 03-  
 AUG-2023 Expedited Not Specified Not Specified  
 Strides Healthcare Professional Not Specified - 25-JUL-2023  
 03-AUG-2023 US Not Specified US-STRIDES ARCOLAB  
 LIMITED-2023SP012426 "Domanski k, Fleming SW, Maag H, Raley E,  
 Debord J, Wright B, et al.. A Psychonaut's Experience of Intoxication  
 with Multiple Classes of Drugs Including Novel Psychoactive Substance  
 2-fluorodeschloroketamine: Case Report and Urinary Analysis.. J-  
 Psychoactive-Drugs. 2022;54(4):319-323" -  
 22781580 - Herbals\Mitragynine Social Problem  
 Palpitations;Adverse Drug Reaction;Depressed Mood;Drug  
 Dependence;Alopecia Serious Life Threatening Male 01-  
 AUG-2023 02-AUG-2023 Direct 36 YR 83.25 KG Fda-  
 Ctu Consumer Not Specified - - 02-AUG-2023  
 Not Specified Not Specified - - -



22772304	Escitalopram	Escitalopram				
Oxalate;Herbals\Mitragynine		Product Used For Unknown Indication				
	Rhabdomyolysis;Agitation;Drug Abuse;Serotonin Syndrome					
Serious Other Outcomes	Male	-	01-AUG-2023	Expedited		
24 YR	Not Specified	Taro	Healthcare Professional	Not Specified		
Specified	-	18-JUL-2023	01-AUG-2023	US	Not Specified	
Specified	US-TARO PHARMACEUTICALS USA					
INC.-2023TAR00806	"Palungwachira P, Yeh M, Whitworth B, Rushton W, Kazzi Z. Clinical Characteristics of Kratom Exposures Reported to the Georgia and Alabama Poison Control Centers from 2016-2020: A Retrospective Review. J Drug Alcohol Res. 2022;11(2):1-10"					
22772303	Escitalopram	Escitalopram				
Oxalate;Aripiprazole;Herbals\Mitragynine		Product Used For Unknown Indication				
	Drug Abuse;Lethargy;Electrocardiogram Qt Prolonged;Torsade De Pointes					
Serious Other Outcomes	Female	-				
01-AUG-2023	Expedited	60 YR	Not Specified	Taro		
Healthcare Professional	Not Specified	-	18-JUL-2023			
01-AUG-2023	US	Not Specified	US-TARO			
PHARMACEUTICALS USA INC.-2023TAR00805	"Palungwachira P, Yeh M, Whitworth B, Rushton W, Kazzi Z. Clinical Characteristics of Kratom Exposures Reported to the Georgia and Alabama Poison Control Centers from 2016-2020: A Retrospective Review. J Drug Alcohol Res. 2022;11(2):1-10"					
22768503	-	Herbals\Mitragynine	Depression			
Seizure;Accidental Overdose;Drug Dependence		Serious Other				
Outcomes;Died	Male	12-JUN-2022	31-JUL-2023	Direct	38 YR	
99 KG	Fda-Ctu	Consumer	Not Specified			
Ritalin;Lexapro	-	31-JUL-2023	Not Specified	Not Specified		
-	-	-				
22767666	-	Baclofen;Herbals\Mitragynine;Nortriptyline Hydrochloride	Product Used For Unknown Indication	Therapy Non-Responder;Suicide Attempt;Lethargy;Electrocardiogram Qrs Complex Prolonged		
			Serious Other Outcomes	Female	-	31-JUL-2023
	Expedited	57 YR	Not Specified	Taro	Healthcare Professional	
	Not Specified	-	18-JUL-2023	31-JUL-2023		
US	Not Specified	US-TARO PHARMACEUTICALS USA				
INC.-2023TAR00804	"Palungwachira P, Yeh M, Whitworth B, Rushton W, Kazzi Z. Clinical Characteristics of Kratom Exposures Reported to the Georgia and Alabama Poison Control Centers from 2016-2020: A Retrospective Review. J Drug Alcohol Res. 2022;11(2):1-10"					
16017267	-					
Butyrfentanyl;Diphenhydramine;Oxycodone;Etizolam;Herbals\Mitragynine		Product Used For Unknown Indication	Drug Screen Positive			
	Serious Died	Not Specified	-	31-JUL-2023		
Expedited	Not Specified	Not Specified	Teva	Healthcare Professional		
	Not Specified	-	21-JUL-2023	28-FEB-2019		
US	Not Specified	US-TEVA-2019-US-1017587	-	-		
22765730	-	Herbals\Mitragynine	Anxiety;Pain			
Product Advertising Issue;Anxiety;Drug Withdrawal Syndrome;Depression						
Serious Hospitalized	Female	01-DEC-2020	30-JUL-2023			

Direct	47 YR	54 KG	Fda-Ctu	Consumer	Not Specified
-	-	30-JUL-2023		Not Specified	Not Specified
-	-	-			
22755501	-	Naltrexone Hydrochloride;Herbals\Mitragynine			
		Arthralgia;Weight Decreased		"Off Label Use;Feeling	
		Cold;Hyperhidrosis;Restlessness;Mental Status Changes;Hallucination,		Visual;Agitation;Drug Interaction;Delirium;Heart Rate Increased"	
		Serious Other Outcomes;Hospitalized	Male	-	27-
JUL-2023	Expedited	56 YR	Not Specified	Accord	
Healthcare Professional	Not Specified	Amlodipine;Metoprolol		16-	
JUL-2023	27-JUL-2023	US	Not Specified	US-	
Accord-369246	"Nunez T, Meyerson G, Alani M, Elahi S, Vargas E.				
	Supersensitivity Psychosis with Acute Dystonia. HCA Healthc J Med.				
	2023 Feb 28;4(1):57-60."	-			
22738090		Sertraline;Alcohol (Alcohol)			
		Alcohol;Olanzapine;Modafinil;3-			
		Fluorophenmetrazine;Benzoylecgonine;Propylene			
		Glycol;Etonitazene;Gabapentin;Amphetamine;Sertraline			
		Hydrochloride;Desmethylsertraline;Melatonin;Herbals\Mitragynine;Etizol			
		am;.Alpha.-Hydroxyetizolam	Product Used For Unknown Indication		
		Toxicity To Various Agents	Serious Other Outcomes;Died		
	Male	-	21-JUL-2023	Expedited	22 YR Not
Specified		Ranbaxy Healthcare Professional	Not Specified	-	
	06-JUL-2023	21-JUL-2023	US	Not Specified	US-SUN
	PHARMACEUTICAL INDUSTRIES LTD-2023R1-400611	"Papsun M D, Krotulski			
	A J, Logan B K. Proliferation of Novel Synthetic Opioids in Postmortem				
	Investigations After Core-Structure Scheduling for Fentanyl-Related				
	Substances. Am J Forensic Med Pathol. 2022;43:315-327"	-			
16026756		Escitalopram	Escitalopram		
		Oxalate;Herbals\Mitragynine	Anxiety;Back Pain;Hypertension;Major		
		Depression;Product Used For Unknown Indication	Drug Interaction;Drug-		
		Induced Liver Injury	Serious Other Outcomes	Male	-
		20-JUL-2023	Expedited	47 YR	Not Specified
		Healthcare Professional	Not Specified	Teva	
		Fexofenadine;Acetaminophen;Valsartan;Clonazepam;Metoprolol Tartrate			
	10-JUL-2023	03-MAR-2019	US	Not Specified	US-
	TEVA-2019-US-1017222	-	-		
22704193	-	Baclofen;Nortriptyline;Herbals\Mitragynine			
		Suspected Suicide	Drug		
		Ineffective;Lethargy;Electrocardiogram Qrs Complex Prolonged			
		Serious Other Outcomes	Female	-	14-JUL-2023
		57 YR	Not Specified	Aurobindo	Healthcare
		Professional	Not Specified	-	29-JUN-2023
		US	Not Specified	US-AUROBINDO-AUR-APL-2023-047941	14-JUL-2023
		"Palungwachira P, Yeh M, Whitworth B, Rushton W, Kazzi Z..			
		ported to the Georgia and Alabama Poison Control Centers from 2016-			
		2020: A Retrospective Review. J-Drug-Alcohol-Res. 2022;11No. 2."			
		-			
22704176	-	Gabapentin;Herbals\Mitragynine;Lorazepam			
		Product Used For Unknown Indication	Unresponsive To		

Stimuli;Apnoeic Attack Serious Other Outcomes Male - 14-  
JUL-2023 Expedited 20 YR Not Specified Aurobindo  
Healthcare Professional Not Specified - 29-JUN-2023  
14-JUL-2023 US Not Specified US-AUROBINDO-AUR-  
APL-2023-047937 "P. Palungwachira, M. Yeh, B. Whitworth, W. Rushton  
and Z. Kazzi. Clinical Characteristics of Kratom Exposures Reported to  
the Georgia and Alabama Poison Control Centers from 2016-2020: A  
Retrospective Review. Journal of Drug and Alcohol Research. 2022;11:2"

22704170 Escitalopram Escitalopram  
Oxalate;Herbals\Mitragynine;Aripiprazole Product Used For  
Unknown Indication Electrocardiogram Qt  
Prolonged;Lethargy;Torsade De Pointes Serious Other Outcomes Female  
- 14-JUL-2023 Expedited 60 YR Not Specified  
Aurobindo Healthcare Professional Not Specified -  
29-JUN-2023 14-JUL-2023 US Not Specified US-  
AUROBINDO-AUR-APL-2023-047934 "P. Palungwachira, M. Yeh, B.  
Whitworth, W. Rushton and Z. Kazzi. Clinical Characteristics of Kratom  
Exposures Reported to the Georgia and Alabama Poison Control Centers  
from 2016-2020: A Retrospective Review. Journal of Drug and Alcohol  
Research. 2022;11:2" -

22703981 - Pregabalin;Clonazepam;Herbals\Mitragynine  
Product Used For Unknown Indication Apnoea;Drug  
Ineffective Serious Other Outcomes Male - 14-JUL-2023  
Expedited 20 YR Not Specified Aurobindo  
Healthcare Professional Not Specified - 29-JUN-2023 14-  
JUL-2023 US Not Specified US-AUROBINDO-AUR-  
APL-2023-047940 "Palungwachira P, Yeh M, Whitworth B, Rushton W, Kazzi  
Z. Clinical Characteristics of Kratom Exposures Reported to the  
Georgia and Alabama Poison Control Centers from 2016-2020: A  
Retrospective Review. J-Drug-Alcohol-Res. 2022;11No:2" -

22703746 Escitalopram Escitalopram  
Oxalate;Herbals\Mitragynine Product Used For Unknown Indication  
Serotonin Syndrome;Rhabdomyolysis;Agitation Serious Other  
Outcomes Male - 14-JUL-2023 Expedited 24 YR  
Not Specified Aurobindo Healthcare Professional Not  
Specified - 29-JUN-2023 14-JUL-2023 US Not  
Specified US-AUROBINDO-AUR-  
APL-2023-047936 "Palungwachira.P., Yeh.M, Whitworth.B, Rushton.W  
and Kazzi Z. Clinical Characteristics of Kratom Exposures Reported to  
the Georgia and Alabama Poison Control Centers from 2016-2020: A  
Retrospective Review. Journal of Drug and Alcohol Research. 2022;11:2"

22621336 - Gabapentin;Lorazepam;Herbals\Mitragynine  
- Apnoea;Unresponsive To Stimuli Serious  
Hospitalized;Life Threatening Male - 14-JUL-2023  
Expedited 20 YR Not Specified Pfizer Healthcare  
Professional Not Specified - 12-JUL-2023 20-JUN-2023  
US Not Specified TH-PFIZER  
INC-202300226627 "Palungwachira, P.. Clinical Characteristics

of Kratom Exposures Reported to the Georgia and Alabama Poison Control Centers from 2016–2020: A Retrospective Review. Journal of Drug and Alcohol Research. 2022;11 (2):10.4303/jdar/236162" –

22705332	–	Herbals\Mitragynine	Depression;Pain			
Dependence;Drug Withdrawal Syndrome	Non-Serious	Non-Serious				
Female	–	13-JUL-2023	Direct	27 YR	67.5 KG	Fda-
Ctu	Consumer	Not Specified	–	–	13-JUL-2023	
	Not Specified	Not Specified	–	–	–	
22699975	–	Herbals\Mitragynine	Anxiety	Intentional		
Overdose	Serious	Died	Male	28-JUL-2022	12-JUL-2023	
	Direct	50 YR	60.75 KG	Fda-Ctu	Consumer	Not
Specified	Benazepril;Vitamin D	–	–	12-JUL-2023	Not	
Specified	Not Specified	–	–	–		
22682730	–	Herbals\Mitragynine	Anxiety;Pain			
Seizure	Serious	Required Intervention;Life Threatening;Other				
Outcomes;Hospitalized	Female	25-APR-2023	06-JUL-2023	Direct		
	48 YR	69.75 KG	Fda-Ctu	Consumer	Not Specified	
	Vivitrol	–	06-JUL-2023	Not Specified	Not	
Specified	–	–	–			
22666176	–	Herbals\Mitragynine	–	Weight		
Decreased;Drug Dependence;Tremor	Serious	Died	Male	10-		
NOV-2021	03-JUL-2023	Direct	40 YR	Not Specified	Fda-	
Ctu	Consumer	Not Specified	–	–	03-JUL-2023	
	Not Specified	Not Specified	–	–	–	
22652454	–	Pregabalin;Herbals\Mitragynine;Clonazepam				
Product Used For Unknown Indication;Suspected Suicide						
Unresponsive To Stimuli;Apnoea	Serious	Other Outcomes;Hospitalized				
Male	–	29-JUN-2023	Expedited	20 YR	Not	
Specified	Hetero	Healthcare Professional	Not Specified	–		
	19-JUN-2023	29-JUN-2023	US	Not Specified	US-	
AMAROX PHARMA-HET2023US01810 "Palungwachira P, Yeh M, Whitworth B, Rushton W, Kazzi Z.. Clinical Characteristics of Kratom Exposures Reported to the Georgia and Alabama Poison Control Centers from 2016–2020: A Retrospective Review. Journal of Drug and Alcohol Research. 2022;11(2):1–10" –						
22647695	–	Lithium;Herbals\Mitragynine	Product Used			
For Unknown Indication	Lethargy;Unresponsive To Stimuli					
Serious	Hospitalized	Male	–	28-JUN-2023	Expedited	
	47 YR	Not Specified	Hetero	Healthcare Professional	Not	
Specified	–	19-JUN-2023	28-JUN-2023	US	Not	
Specified	US-HETERO-HET2023US01806					
M, Whitworth B, Rushton W, Kazzi Z.. Clinical Characteristics of Kratom Exposures Reported to the Georgia and Alabama Poison Control Centers from 2016–2020: A Retrospective Review.. Journal of Drug and Alcohol Research.. 2022;11 (2):1–10" –						
22645480	–	Herbals\Mitragynine;Pregabalin;Clonazepam				
Product Used For Unknown Indication	Apnoeic					
Attack;Unresponsive To Stimuli	Serious	Other Outcomes	Male	–		
	27-JUN-2023	Expedited	20 YR	Not Specified		
Ranbaxy	Healthcare Professional	Not Specified	–	12-JUN-2023		

27-JUN-2023	US	Not Specified	US-SUN PHARMACEUTICAL INDUSTRIES LTD-2023R1-396278
"Palungwachira P, Yeh M, Whitworth B, Rushton W, Kazzi Z. Clinical Characteristics of Kratom Exposures Reported to the Georgia and Alabama Poison Control Centers from 2016-2020: A Retrospective Review. J Drug Alcohol Res. 2022;11(2):236162"			
22643781	Escitalopram	Escitalopram	
Oxalate;Herbals\Mitragynine;Aripiprazole		Product Used For Unknown Indication	
Lethargy;Electrocardiogram Qt		Prolonged;Torsade De Pointes	
27-JUN-2023	Expedited	60 YR	Not Specified Hetero
Healthcare Professional Not Specified		-	19-JUN-2023
27-JUN-2023	US	Not Specified	US-AMAROX PHARMA-HET2023US01803
"Palungwachira P, Yeh M, Whitworth B, Rushton W, Kazzi Z.. Clinical Characteristics of Kratom Exposures Reported to the Georgia and Alabama Poison Control Centers from 2016-2020: A Retrospective Review.. Journal of Drug and Alcohol Research.. 2022;11(2):1-10"			
22642750	Vivitrol	Naltrexone;Herbals\Mitragynine	
Product Used For Unknown Indication		Unevaluable Event;Substance Use	
Non-Serious	Non-Serious	Not Specified	-
27-JUN-2023	Non-Expedited	Not Specified	Not Specified
Alkermes	Consumer	Not Specified	-
27-JUN-2023	US	Not Specified	US-ALKERMES INC.-
ALK-2023-002437	-	-	
22633596	-	Acetaminophen;Herbals\Mitragynine	
Product Used For Unknown Indication		Unresponsive To Stimuli	
Serious	Other Outcomes	Female	-
33 YR	Not Specified	Mylan	Healthcare Professional Not Specified
-	12-JUN-2023	23-JUN-2023	US
Not Specified	TH-MYLANLABS-2023M1065857	"Palungwachira P, Yeh M, Whitworth B, Rushton W, Kazzi Z. Clinical Characteristics of Kratom Exposures Reported to the Georgia and Alabama Poison Control Centers from 2016-2020: A Retrospective Review. J-Drug-Alcohol-Res 2022;11:No. 2."	
22628846	-	Herbals\Mitragynine;Pregabalin;Clonazepam	
Product Used For Unknown Indication		Suspected Suicide	
Unresponsive To Stimuli;Drug Interaction		Suspected Suicide;Apnoea	
Serious	Other Outcomes	Male	-
22-JUN-2023	Expedited	20 YR	Not Specified
Apotex	Healthcare Professional	Not Specified	-
12-JUN-2023	22-JUN-2023	US	Not Specified
US-APOTEX-2023AP009169	"Palungwachira P, Yeh M, Whitworth B, Rushton W, Kazzi Z. Clinical Characteristics of Kratom Exposures Reported to the Georgia and Alabama Poison Control Centers from 2016-2020: A Retrospective Review. Journal of Drug and Alcohol Research. 2022;11 (2):1-10"		
22628738	-	Acetaminophen;Herbals\Mitragynine	
Product Used For Unknown Indication		Suspected Suicide	
Drug Interaction;Suspected Suicide;Unresponsive To Stimuli		Serious Other Outcomes	
Female	-	22-JUN-2023	Expedited
33 YR			

Not Specified	Apotex	Healthcare Professional	Not Specified
-	12-JUN-2023	22-JUN-2023	US
US-APOTEX-2023AP009170	"Palungwachira P, Yeh M, Whitworth B, Rushton W, Kazzi Z. Clinical Characteristics of Kratom Exposures Reported to the Georgia and Alabama Poison Control Centers from 2016-2020: A Retrospective Review. Journal of Drug and Alcohol Research. 2022;11 (2):1-10"		
22628423	Alcohol (Alcohol)		
Alcohol;Duloxetine;Herbals\Mitragynine;Aspirin	Drug Abuse;Product Used For Unknown Indication	Drug Interaction;Aggression;Drug Abuse;Myoclonus;Agitation	Serious Other Outcomes
Male	-		
22-JUN-2023	Expedited	57 YR	Not Specified
Healthcare Professional	Not Specified	-	12-JUN-2023
22-JUN-2023	US	Not Specified	US-APOTEX-2023AP009168
"Palungwachira P, Yeh M, Whitworth B, Rushton W, Kazzi Z. Clinical Characteristics of Kratom Exposures Reported to the Georgia and Alabama Poison Control Centers from 2016-2020: A Retrospective Review. Journal of Drug and Alcohol Research. 2022;11 (2):1-10"			
22628320	-	Lithium;Herbals\Mitragynine	Drug Abuse;Product Used For Unknown Indication
Unresponsive To Stimuli;Drug Abuse;Drug Interaction;Lethargy	Serious Other Outcomes		
Male	-	22-JUN-2023	Expedited
47 YR	Not Specified		
Apotex	Healthcare Professional	Not Specified	-
12-JUN-2023	22-JUN-2023	US	Not Specified
US-APOTEX-2023AP009167	"Palungwachira P, Yeh M, Whitworth B, Rushton W, Kazzi Z. Clinical Characteristics of Kratom Exposures Reported to the Georgia and Alabama Poison Control Centers from 2016-2020: A Retrospective Review. Journal of Drug and Alcohol Research. 2022;11 (2):1-10"		
22627058	-	Gabapentin;Lorazepam;Herbals\Mitragynine	Product Used For Unknown Indication
Unresponsive To Stimuli;Apnoea	Serious Hospitalized;Life Threatening	Male	-
22-JUN-2023	Expedited	20 YR	Not Specified
Strides Healthcare Professional	Not Specified	-	12-JUN-2023
22-JUN-2023	TH	Not Specified	TH-STRIDES ARCOLAB LIMITED-2023SP009632
"Palungwachira P, Yeh M, Whitworth B, Rushton W, Kazzi Z.. Clinical Characteristics of Kratom Exposures Reported to the Georgia and Alabama Poison Control Centers from 2016-2020: A Retrospective Review.. J-Drug-Alcohol-Res. 2022;11 (2)."			
22624571	-	Herbals\Mitragynine;Lorazepam;Gabapentin	Product Used For Unknown Indication;Suspected Suicide
Suspected Suicide;Drug Interaction;Unresponsive To Stimuli;Apnoea	Serious Other Outcomes;Hospitalized	Male	-
21-JUN-2023	Expedited	20 YR	Not Specified
Apotex	Healthcare Professional	Not Specified	-
12-JUN-2023	21-JUN-2023	US	Not Specified
US-APOTEX-2023AP009166	"Palungwachira P, Yeh M, Whitworth B, Rushton W, Kazzi Z. Clinical Characteristics of Kratom Exposures Reported to the Georgia and Alabama Poison Control Centers from 2016-2020: A Retrospective Review. Journal of Drug and Alcohol Research. 2022;11 (2):1-10"		

(2):1-10" -  
22624423 Escitalopram Escitalopram  
Oxalate;Aripiprazole;Herbals\Mitragynine Drug Abuse;Product  
Used For Unknown Indication Drug Interaction;Electrocardiogram Qt  
Prolonged;Drug Abuse;Lethargy;Torsade De Pointes Serious  
Hospitalized;Other Outcomes Female - 21-JUN-2023  
Expedited 60 YR Not Specified Apotex Healthcare  
Professional Not Specified - 12-JUN-2023 21-JUN-2023  
US Not Specified US-APOTEX-2023AP009107 "Palungwachira  
P, Yeh M, Whitworth B, Rushton W, Kazzi Z. Clinical Characteristics of  
Kratom Exposures Reported to the Georgia and Alabama Poison Control  
Centers from 2016-2020: A Retrospective Review. Journal of Drug and  
Alcohol Research. 2022;11 (2):1-10" -  
22623753 Escitalopram Escitalopram  
Oxalate;Herbals\Mitragynine;Aripiprazole Product Used For  
Unknown Indication Lethargy;Electrocardiogram Qt  
Prolonged;Torsade De Pointes Serious Life Threatening;Hospitalized  
Female - 21-JUN-2023 Expedited 60 YR Not  
Specified Mylan Healthcare Professional Not Specified -  
12-JUN-2023 21-JUN-2023 US Not Specified TH-  
MYLANLABS-2023M1064786 "Palungwachira P, Yeh M, Whitworth B, Rushton  
W, Kazzi Z. Clinical Characteristics of Kratom Exposures Reported to  
the Georgia and Alabama Poison Control Centers from 2016-2020: A  
Retrospective Review. J-Drug-Alcohol-Res 2022;11:No. 2." -  
22623748 - Baclofen;Nortriptyline;Herbals\Mitragynine  
Product Used For Unknown Indication  
Lethargy;Electrocardiogram Qrs Complex Prolonged;Unresponsive To  
Stimuli Serious Hospitalized;Life Threatening Female - 21-  
JUN-2023 Expedited 57 YR Not Specified Mylan  
Healthcare Professional Not Specified - 12-JUN-2023 21-  
JUN-2023 US Not Specified TH-MYLANLABS-2023M1064814  
"Palungwachira P, Yeh M, Whitworth B, Rushton W, Kazzi Z.  
Clinical Characteristics of Kratom Exposures Reported to the Georgia  
and Alabama Poison Control Centers from 2016-2020: A Retrospective  
Review. J-Drug-Alcohol-Res 2022;11:No. 2." -  
22623742 - Lithium;Herbals\Mitragynine Drug  
Abuse;Product Used For Unknown Indication Unresponsive To  
Stimuli;Lethargy Serious Other Outcomes Male - 21-  
JUN-2023 Expedited 47 YR Not Specified Mylan  
Healthcare Professional Not Specified - 12-JUN-2023 21-  
JUN-2023 US Not Specified TH-MYLANLABS-2023M1064788  
"Palungwachira P, Yeh M, Whitworth B, Rushton W, Kazzi Z.  
Clinical Characteristics of Kratom Exposures Reported to the Georgia  
and Alabama Poison Control Centers from 2016-2020: A Retrospective  
Review. J-Drug-Alcohol-Res 2022;11:No. 2." -  
22621269 - Clonazepam;Herbals\Mitragynine Product Used  
For Unknown Indication Lethargy;Unresponsive To Stimuli  
Serious Other Outcomes Male - 20-JUN-2023 Expedited  
60 YR Not Specified Mylan Healthcare Professional Not  
Specified - 12-JUN-2023 20-JUN-2023 US Not

Specified TH-MYLANLABS-2023M1064800 "Palungwachira P, Yeh M, Whitworth B, Rushton W, Kazzi Z. Clinical Characteristics of Kratom Exposures Reported to the Georgia and Alabama Poison Control Centers from 2016-2020: A Retrospective Review. J-Drug-Alcohol-Res 2022;11:No. 2." -

22619735 - Gabapentin;Lorazepam;Herbals\Mitragynine  
Product Used For Unknown Indication Apnoea;Unresponsive To  
Stimuli Serious Life Threatening;Hospitalized Male - 20-  
JUN-2023 Expedited 20 YR Not Specified Mylan  
Healthcare Professional Not Specified - 12-JUN-2023 20-  
JUN-2023 US Not Specified TH-MYLANLABS-2023M1064789  
"Palungwachira P, Yeh M, Whitworth B, Rushton W, Kazzi Z. Clinical Characteristics of Kratom Exposures Reported to the Georgia and Alabama Poison Control Centers from 2016-2020: A Retrospective Review. J-Drug-Alcohol-Res 2022;11:No. 2." -

22619365 - Herbals\Mitragynine Alcoholism  
Dependence Serious Required Intervention Male 05-JUN-2023  
16-JUN-2023 Direct 41 YR 65.25 KG Fda-Ctu  
Consumer Not Specified Suboxone - 16-JUN-2023  
Not Specified Not Specified - -

22609062 - Herbals\Mitragynine Pain  
Alcoholism;Dependence;Drug Dependence Serious Disabled;Required  
Intervention;Hospitalized Female 01-JAN-2022 15-JUN-2023  
Direct 33 YR Not Specified Fda-Ctu Consumer Not  
Specified - - 15-JUN-2023 Not Specified Not  
Specified - - -

22534982 - Herbals\Mitragynine Joint Injury  
Personality Change;Anxiety;Decreased Appetite;Drug Dependence;Drug  
Tolerance;Drug Effect Less Than Expected;Mood Swings;Withdrawal  
Syndrome;Aggression Serious Other Outcomes Male - 07-  
JUN-2023 Direct 31 YR 90 KG Fda-Ctu Consumer Not  
Specified - - 07-JUN-2023 Not Specified Not  
Specified - - -

22525830 Suboxone Buprenorphine Hydrochloride\Naloxone  
Hydrochloride;Herbals\Mitragynine Product Used For Unknown  
Indication Intentional Product Use Issue;Toxicity To Various  
Agents Serious Died;Other Outcomes Male - 06-JUN-2023  
Expedited 52 YR Not Specified Reckitt Benckiser  
Healthcare Professional Not Specified - 01-JUN-2023  
06-JUN-2023 US Not Specified US-INDIVIOR EUROPE  
LIMITED-INDV-139608-2023 "Donna M. Papsun, Ayako Chan-Hosokawa, Laura Friederich, Justin Brower, Kristopher Graf and Barry Logan. The Trouble With Kratom: Analytical and Interpretative Issues Involving Mitragynine. Journal of Analytical Toxicology. 2019;43:615-629" -

22518024 Trazodone Trazodone  
Hydrochloride;Herbals\Mitragynine;Ibuprofen Product Used For  
Unknown Indication Death Serious Died Male - 05-  
JUN-2023 Non-Expedited 52 YR Not Specified Alvogen  
Healthcare Professional Not Specified - 27-MAR-2023 05-  
JUN-2023 US Not Specified US-



ALVOGEN-2023091005 "Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Rivers LJ, Feldman R, Brown K, Nathaniel PTP, Bronstein AC, Weber JA. 2021 Annual Report of the National Poison Data System (NPDS) from America's Poison Centers: 39th Annual Report. Clinical Toxicology. 2023Jan05;60(12):1381-1643. <https://doi.org/10.1080/15563650.2022.2132768>"

22400193 - Herbals\Mitragynine Anxiety  
Asthenia;Dependence;Irritability;Nausea;Diarrhoea;Pain;Judgement  
Impaired;Vomiting;Withdrawal Syndrome Serious Other Outcomes Male  
01-JUN-2023 01-JUN-2023 Direct 38 YR 99 KG Fda-  
Ctu Consumer Not Specified - - 01-JUN-2023  
Not Specified Not Specified - - -

22387618 - Herbals\Mitragynine Dependence;Substance  
Dependence Anger;Gallbladder Disorder;Loss Of Personal  
Independence In Daily Activities;Withdrawal Syndrome;Drug  
Dependence;Apathy;Headache;Restlessness;Abdominal  
Pain;Fatigue;Irritability;Delusion;Psychotic Disorder Non-Serious  
Non-Serious Male 15-MAR-2023 30-MAY-2023 Direct  
36 YR 200 LB Fda-Ctu Consumer Not Specified -  
- 30-MAY-2023 Not Specified Not Specified -  
- -

22384585 - Herbals\Mitragynine Analgesic Therapy  
Cardiac Arrest;Seizure;Brugada Syndrome;Clavicle  
Fracture;Product Use Issue;Fall Serious Other Outcomes;Life  
Threatening;Hospitalized Male 27-APR-2023 28-MAY-2023  
Direct 38 YR Not Specified Fda-Ctu Consumer Not  
Specified - - 28-MAY-2023 Not Specified Not  
Specified - - -

22384024 - Herbals\Mitragynine Product Used For  
Unknown Indication Delirium Tremens;Drug Withdrawal Syndrome;Drug  
Dependence Serious Disabled;Life Threatening;Required  
Intervention Male 01-MAR-2023 27-MAY-2023 Direct 36 YR  
85.5 KG Fda-Ctu Consumer Not Specified - -  
27-MAY-2023 Not Specified Not Specified - -  
- -

22366326 -  
Herbals\Mitragynine;Naproxen;Clonazepam;Cocaine;7-  
Aminoclonazepam;Levamisole;Naloxone;Benzoylecgonine Product Used  
For Unknown Indication Toxicity To Various Agents Serious  
Died;Other Outcomes Female - 25-MAY-2023 Expedited  
28 YR Not Specified Ranbaxy Healthcare Professional Not  
Specified - 10-MAY-2023 25-MAY-2023 US Not  
Specified US-SUN PHARMACEUTICAL INDUSTRIES LTD-2023R1-390056  
"Salas JR, Krotulski AJ, Newman R, Thogmartin JR, Mohr ALA,  
Logan BK. Concentrations of para-Fluorofuranylfentanyl in Paired  
Central and Peripheral Blood Collected during Postmortem Death  
Investigations. J Anal Toxicol. 2022;46:358-373" -

22366278 - 7-  
Hydroxymitragynine;Benzoylecgonine;Herbals\Mitragynine;Codeine;Naproxen;Morphine  
Product Used For Unknown Indication Toxicity To

Various Agents	Serious Died;Other Outcomes	Male	-	25-
MAY-2023	Expedited	38 YR	Not Specified	Ranbaxy
Healthcare Professional	Not Specified	-	10-MAY-2023	25-
MAY-2023	US	Not Specified	US-SUN PHARMACEUTICAL	
INDUSTRIES LTD-2023R1-390054 "Salas JR, Krotulski AJ, Newman R, Thogmartin JR, Mohr ALA, Logan BK. Concentrations of para-Fluorofuranylfentanyl in Paired Central and Peripheral Blood Collected during Postmortem Death Investigations. J Anal Toxicol. 2022;46:358-373"				
22366356	-	Herbals\Mitragynine	-	"Substance Use;Product Use Issue;Hallucination, Visual;Accidental Death;Confusional State;Euphoric Mood;Hallucination, Auditory"
Serious Died;Hospitalized	Male	11-AUG-2022	24-MAY-2023	
Direct	30 YR	75.6 KG	Fda-Ctu Consumer	Not Specified
-	-	24-MAY-2023	Not Specified	Y -
-	-			
21892904	Seroquel;Xywav	Calcium Oxybate\Magnesium Oxybate\Potassium Oxybate\Sodium Oxybate;Quetiapine Fumarate;Olanzapine;Herbals\Mitragynine	Hypersomnia;Product Used For Unknown Indication;Restless Legs Syndrome;Somnolence	Psychotic Disorder;Personality Disorder;Product Administration Interrupted;Adverse Drug Reaction;Suicidal Ideation;Drug Interaction;Suicide Attempt;Exposure To Fungus
Outcomes;Hospitalized	Male	07-MAR-2023	18-MAY-2023	Non-
Expedited	Not Specified	Not Specified	Jazz	Healthcare
Professional	Not Specified			
Progesterone;Estradiol;Spironolactone;Requip;Atomoxetine				12-
APR-2023	20-JAN-2023	US	Not Specified	US-JAZZ-2022-
US-023024	-	-		
22309885	-	Herbals\Mitragynine	Product Used For Unknown Indication	Headache;Sneezing;Withdrawal Syndrome;Dependence;Diarrhoea;Restless Legs Syndrome;Verbal Abuse;Dyskinesia;Hyperhidrosis;Chills;Muscle Atrophy;Anger;Irritability;Weight Decreased;Panic Attack
Serious Non-Serious	Male	-	10-MAY-2023	Direct Not Specified
Not Specified	Not Specified	Fda-Ctu Consumer		Not Specified
Vitamin C;Dietary Supplement	-	10-MAY-2023		Not Specified
Specified	Not Specified	-	-	-
22304339	-	Herbals\Mitragynine	-	Seizure
Serious Hospitalized;Died;Life Threatening	Male	-		09-
MAY-2023	Direct	24 YR	90 KG	Fda-Ctu Consumer
Specified	-	-	09-MAY-2023	Not Specified
Specified	-	-	-	Not
22293916	Lybalvi Olanzapine\Samidorphane L-Malate;Herbals\Mitragynine	Product Used For Unknown Indication	Withdrawal Syndrome;Discomfort	Non-Serious Non-Serious
Not Specified	-	08-MAY-2023	Non-Expedited	Not Specified
Specified	Not Specified	Alkermes	Healthcare	
Professional	Not Specified	-	03-MAY-2023	08-MAY-2023
US	Not Specified	US-ALKERMES INC.-ALK-2023-001891		

22291756	-	-	Herbals;Herbals\Mitragynine	Anxiety;Pain
			Hot Flush;Drug Dependence;Pain;Withdrawal	
			Syndrome;Hyperhidrosis;Hallucination;Overdose;Respiratory	
			Distress;Chills;Pulmonary Fibrosis	Serious
			Disabled;Hospitalized;Life Threatening;Required Intervention	Male
	30-MAR-2023	05-MAY-2023	Direct	27 YR 66.6 KG Fda-
Ctu	Consumer	Not Specified	Insulin Nos	- 05-
MAY-2023	Not Specified	Not Specified	-	-
21414256	-	-	Morphine;Herbals\Mitragynine;Hydrocodone	
			Headache;Product Used For Unknown Indication	Acute Kidney
			Injury;Drug Abuse	Serious Other Outcomes Female - 05-
MAY-2023	Expedited	21 YR	Not Specified	Specgx
	Healthcare Professional	Not Specified	-	24-APR-2023 06-
OCT-2022	US	Not Specified	US-SPECGX-	
T202202113	"LeSaint KT, Yin S, Sharma A, Avery BA, McCurdy CR, Waksman JC. Acute renal insufficiency associated with consumption of hydrocodone- and morphine-adulterated Kratom (Mitragyna Speciosa). Journal of Emergency Medicine. 2022;63(1):e28-30"			
22288662	-	-	Herbals\Mitragynine	Asthenia
			Withdrawal Syndrome;Drug Dependence;Psychotic Disorder;Eye Disorder	
			Serious Disabled;Hospitalized	Male 31-JUL-2022 04-
MAY-2023	Direct	24 YR 74.25 KG	Fda-Ctu	Consumer
	Not Specified	Vitamin D;Zoloft	-	04-MAY-2023
	Not Specified	Not Specified	-	-
22288643	-	-	Herbals\Mitragynine	Attention Deficit
			Hyperactivity Disorder	Agitation;Mental Disorder;Attention Deficit
			Hyperactivity Disorder;Product Tampering;Nausea;Condition	
			Aggravated;Schizoaffective Disorder Bipolar Type;Withdrawal	
			Syndrome;Chest Pain;Product Taste Abnormal;Aggression	Serious
			Disabled;Required Intervention;Hospitalized	Not Specified 04-
MAY-2023	04-MAY-2023	Direct	337 MTH 81.9 KG	Fda-Ctu
Consumer	Not Specified			
			Lamotrigine;Methylphenidate;Paliperidone	- 04-MAY-2023
			Not Specified	Not Specified - -
22285248	-	-	Levamisole;Clonazepam;Herbals\Mitragynine	
			Drug Abuse;Product Used For Unknown Indication	Toxicity To
			Various Agents;Drug Abuse	Serious Died;Hospitalized Female
	-	04-MAY-2023	Expedited	28 YR Not Specified
	Teva	Healthcare Professional	Not Specified	Naproxen
	24-APR-2023	04-MAY-2023	US	Not Specified US-
TEVA-2023-US-2881991	-	-		
22285035	-	-	Herbals\Mitragynine	Back Pain;Drug
			Dependence	Drug Withdrawal Syndrome
			Serious Other Outcomes	
	Male	06-NOV-2018	04-MAY-2023	Direct 39 YR 101.25
KG	Fda-Ctu	Consumer	Not Specified	- - 04-
MAY-2023	Not Specified	Not Specified	-	- Yes
22283963	-	-	Naloxone Hcl	Naloxone
			Hydrochloride;Herbals\Mitragynine;Benzoyllecgonine;Clonazepam;Cocaine;N	
			aproxen;Levamisole	- Toxicity To Various Agents

22284372	-	Herbals\Mitragynine	-	Hepatic	
Anxiety;Depression;Lethargy;Post-Traumatic Stress Disorder;Stress					
Product Design Issue;Product Label Confusion;Drug Dependence					
Serious Disabled;Required Intervention	Male	14-JUN-2015			
03-MAY-2023	Direct	34 YR	99 KG	Fda-Ctu	Consumer
Not Specified	-	-	03-MAY-2023	Not Specified	
Y	-	-	-		
22284369	-	Herbals\Mitragynine	-	Hepatic	
Failure;Toxicity To Various Agents;Renal Failure				Serious	
Died;Hospitalized;Life Threatening	Female	06-APR-2023	03-		
MAY-2023	Direct	23 YR	Not Specified	Fda-Ctu	Consumer
Not Specified	Herbals\Mitragynine	-	03-MAY-2023		
Not Specified	Not Specified	-	-	-	
22283576	-	Herbals\Mitragynine		Substance Use	
Intentional Product Use	Issue;Jaundice	Serious	Hospitalized;Required		
Intervention	Male	09-JUL-2021	03-MAY-2023	Direct	2 DAY
90 KG	Fda-Ctu	Consumer	Not Specified	-	-
03-MAY-2023	Not Specified	Not Specified	-	-	
-					
22282385	-	Herbals\Mitragynine		Analgesic Therapy	
Death	Serious	Died	Not Specified	14-AUG-2020	03-
MAY-2023	Direct	32 YR	Not Specified	Fda-Ctu	Consumer
Not Specified	-	-	03-MAY-2023	Not Specified	
Y	-	-	-		
22259439	-	Levamisole;Clonazepam;Herbals\Mitragynine			
Product Used For Unknown Indication				Drug Abuse;Toxicity To	
Various Agents	Serious	Died;Hospitalized	Female	-	27-
APR-2023	Expedited	28 YR	Not Specified	Mylan	
Healthcare Professional	Not Specified	Naproxen		18-APR-2023	
27-APR-2023	US	Not Specified	US-		
MYLANLABS-2023M1042993	"Rodriguez Salas J, Krotulski AJ, Newman R, Thogmartin JR, Mohr ALA, Logan BK. Concentrations of para-Fluorofuranylfentanyl in Paired Central and Peripheral Blood Collected during Postmortem Death Investigations. J-Anal-Toxicol 2022;46(4):358-373."	-			
22242539	-	Herbals\Mitragynine		Drug Dependence	
Withdrawal Syndrome;Feeling Abnormal	Serious	Other Outcomes	Male		
16-APR-2023	23-APR-2023	Direct	39 YR	Not Specified	
Fda-Ctu	Consumer	Not Specified	-	-	23-
APR-2023	Not Specified	Not Specified	-	-	-
22234404	-	Herbals\Mitragynine		Disturbance In	
Attention	Vomiting;Drug Withdrawal				

Syndrome;Anxiety;Pain;Depression;Dehydration;Urine Amphetamine  
Positive Serious Required Intervention;Disabled Male 15-  
APR-2023 19-APR-2023 Direct 29 YR 80.1 KG Fda-Ctu  
Consumer Not Specified - - 19-APR-2023 Not  
Specified Not Specified - - -  
21727410 Naloxone Hcl Naloxone  
Hydrochloride;Herbals\Mitragynine - Toxicity To Various  
Agents Serious Died Male - 12-APR-2023 Expedited  
33 YR Not Specified Pfizer Healthcare Professional Not  
Specified - 11-APR-2023 14-DEC-2022 US Not  
Specified US-PFIZER INC-PV202200118721 "Behonick, G.. Two  
Single-Drug Fatal Intoxications by Mitragynine. Journal of Analytical  
Toxicology. 2022;46(5):E110-E114" -  
22201307 - Herbals\Mitragynine - Substance  
Use;Resuscitation Serious Required Intervention Male 05-  
APR-2023 11-APR-2023 Direct 33 YR Not Specified Fda-  
Ctu Consumer Not Specified - - 11-APR-2023  
Not Specified Not Specified - - -  
22197048 - Fentanyl;Cannabis Sativa Subsp. Indica  
Top;Herbals\Mitragynine Drug Abuse Drug Abuse;Incorrect Route Of  
Product Administration;Cardiac Arrest;Respiratory Arrest  
Serious Died Male - 11-APR-2023 Expedited 24 YR  
Not Specified Alvogen Healthcare Professional Not Specified  
- 27-MAR-2023 11-APR-2023 US Not Specified  
US-ALVOGEN-2023090497 "Gummin DD, Mowry JB, Beuhler MC,  
Spyker DA, Rivers LJ, Feldman R, Brown K, Nathaniel PTP, Bronstein AC,  
Weber JA.. 2021 Annual Report of the National Poison Data System  
(NPDS) from America's Poison Centers: 39th Annual Report. Clinical  
Toxicology. 05Jan2023;60(12):1381-1643 . doi:https://doi.org/  
10.1080/15563650.2022.2132768" -  
22196087 - Herbals\Mitragynine;Fentanyl Product Used  
For Unknown Indication Prescription Drug Used Without A  
Prescription;Death Serious Died Male - 11-APR-2023  
Expedited 42 YR Not Specified Alvogen Healthcare  
Professional Not Specified - 27-MAR-2023 11-APR-2023  
US Not Specified US-ALVOGEN-2023089931 "Gummin DD,  
Mowry JB, Beuhler MC, Spyker DA, Rivers LJ, Feldman R, Brown K,  
Nathaniel PTP, Bronstein AC, Weber JA.. 2021 Annual Report of the  
National Poison Data System© (NPDS) from America's Poison Centers:  
39th Annual Report.. Clinical toxicology. 2023Jan05;60(12):1381-1643.  
doi:10.1080/15563650.2022.2132768" -  
22196048 Sertraline Sertraline  
Hydrochloride;Acetaminophen;Herbals\Mitragynine Suicide Attempt  
Completed Suicide Serious Died Male - 11-APR-2023  
Expedited 34 YR Not Specified Alvogen Healthcare  
Professional Not Specified - 27-MAR-2023 11-APR-2023  
US Not Specified US-ALVOGEN-2023089806 "Gummin DD,  
Mowry JB, Beuhler MC, Spyker DA, Rivers LJ, Feldman R, Brown K,  
Nathaniel PTP, Bronstein AC, Weber JA. 2021 Annual Report of the  
National Poison Data System (NPDS) from America's Poison Centers: 39th

Annual Report. Clinical Toxicology. 2023 Jan 05;60(12):1381-1643.

doi:10.1080/15563650.2022.2132768" -

22195924 Sertraline Sertraline  
Hydrochloride;Fentanyl;Herbals\Mitragynine Drug Abuse Drug  
Abuse;Prescription Drug Used Without A Prescription Serious Died  
Male - 11-APR-2023 Expedited 39 YR Not  
Specified Alvogen Healthcare Professional Not Specified -  
27-MAR-2023 11-APR-2023 US Not Specified US-  
ALVOGEN-2023089863 "Gummin DD, Mowry JB, Beuhler MC, Spyker DA,  
Rivers LJ, Feldman R, Brown K, Nathaniel PTP, Bronstein AC, Weber JA.  
2021 Annual Report of the National Poison Data System© (NPDS) from  
America's Poison Centers: 39th Annual Report . Clinical Toxicology.  
2023-Jan-05;60 (12):1381-1643. doi:https://doi.org/  
10.1080/15563650.2022.2132768" -

22195915 - Herbals\Mitragynine;Fentanyl Product Used  
For Unknown Indication Death Serious Died Male - 11-  
APR-2023 Expedited 28 YR Not Specified Alvogen  
Healthcare Professional Not Specified - 27-MAR-2023 11-  
APR-2023 US Not Specified US-  
ALVOGEN-2023089777 "Gummin DD, Mowry JB, Beuhler MC, Spyker DA,  
Rivers LJ, Feldman R, Brown K, Nathaniel PTP, Bronstein AC, Weber JA.  
2021 Annual Report of the National Poison Data System (NPDS) from  
America's Poison Centers: 39th Annual Report. Clinical Toxicology.  
2023 Jan 05;60(12):1381-1643. doi:10.1080/15563650.2022.2132768"

22195783 - Fentanyl;Herbals\Mitragynine Suicide  
Attempt Completed Suicide;Prescription Drug Used Without A  
Prescription Serious Died Female - 11-APR-2023  
Expedited 54 YR Not Specified Alvogen Healthcare  
Professional Not Specified - 27-MAR-2023 11-APR-2023  
US Not Specified US-ALVOGEN-2023089887 "Gummin DD,  
Mowry JB, Beuhler MC, Spyker DA, Rivers LJ, Feldman R, Brown K,  
Nathaniel PTP, Bronstein AC, Weber JA.. 2021 Annual Report of the  
National Poison Data System© (NPDS) from America's Poison Centers:  
39th Annual Report.. Clinical toxicology. 2023Jan05;60(12):1381-1643.  
doi:10.1080/15563650.2022.2132768" -

22195671 - Gabapentin;Valproic  
Acid;Herbals\Mitragynine;Alcohol;Butalbital Suicide Attempt  
Respiratory Arrest;Cardiac Arrest;Completed Suicide Serious Died  
Female - 11-APR-2023 Expedited 45 YR Not  
Specified Alvogen Healthcare Professional Not Specified -  
27-MAR-2023 11-APR-2023 US Not Specified US-  
ALVOGEN-2023090040 "Gummin DD, Mowry JB, Beuhler MC, Spyker DA,  
Rivers LJ, Feldman R, Brown K, Nathaniel PTP, Bronstein AC, Weber JA..  
2021 Annual Report of the National Poison Data System (NPDS) from  
America's Poison Centers: 39th Annual Report. Clinical Toxicology.  
2023 Jan 05;60(12):1381-1643. doi:10.1080/15563650.2022.2132768"

22195005 -  
Gabapentin;Fentanyl;Etizolam;Oxycodone;Herbals\Mitragynine Drug

Abuse Prescription Drug Used Without A Prescription;Drug Abuse  
 Serious Died Male - 11-APR-2023 Expedited  
 46 YR Not Specified Alvogen Healthcare Professional Not  
 Specified - 27-MAR-2023 11-APR-2023 US Not  
 Specified US-ALVOGEN-2023089886 "Gummin DD, Mowry JB, Beuhler  
 MC, Spyker DA, Rivers LJ, Feldman R, Brown K, Nathaniel PTP, Bronstein  
 AC, Weber JA. 2021 Annual Report of the National Poison Data System  
 (NPDS) from America's Poison Centers: 39th Annual Report. Clinical  
 Toxicology. 2023 Jan 05;60(12):1381-1643.  
 doi:10.1080/15563650.2022.2132768" -  
 22194175 - Alcohol;Herbals\Mitragynine;Fentanyl Drug  
 Abuse Prescription Drug Used Without A Prescription;Cardiac  
 Arrest;Drug Abuse;Respiratory Arrest Serious Died Male -  
 11-APR-2023 Expedited 41 YR Not Specified  
 Alvogen Healthcare Professional Not Specified - 27-MAR-2023  
 11-APR-2023 US Not Specified US-ALVOGEN-2023090326  
 "Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Rivers LJ,  
 Feldman R, Brown K, Pham NP , Bronstein AC, Weber J.. 2021 Annual  
 Report of the National Poison Data System© (NPDS) from America's  
 Poison Centers: 39th Annual Report.. Clinical toxicity.  
 2023Jan05;60(12):1381-1643. doi:10.1080/15563650.2021.1989785" -  
 22193454 Salicylate;Sertraline;Heroin Sertraline  
 Hydrochloride;Diamorphine;Alprazolam;Salicylic Acid;Cannabis Sativa  
 Subsp. Indica Top;Fentanyl;Herbals\Mitragynine;Cocaine;Aripiprazole  
 Product Used For Unknown Indication Death Serious Died  
 Male - 10-APR-2023 Expedited 17 YR Not  
 Specified Alvogen Healthcare Professional Not Specified -  
 27-MAR-2023 10-APR-2023 US Not Specified US-  
 ALVOGEN-2023090164 "Gummin DD, Mowry JB, Beuhler MC, Spyker DA,  
 Rivers LJ, Feldman R, Brown K, Pham NP , Bronstein AC, Weber J. 2021  
 Annual Report of the National Poison Data System© (NPDS) from America?  
 s Poison Centers: 39th Annual Report. Clinical toxicity.  
 2023Jan05;60:1381-1643. doi: https://doi.org/  
 10.1080/15563650.2022.2132768" -  
 22189858 Venlafaxine Venlafaxine  
 Hydrochloride;Herbals\Mitragynine;Amphetamine Drug Abuse Drug  
 Abuse Serious Died Male - 10-APR-2023 Expedited  
 31 YR Not Specified Alvogen Healthcare Professional Not  
 Specified - 27-MAR-2023 10-APR-2023 US Not  
 Specified US-ALVOGEN-2023091145 "Gummin DD, Mowry JB, Beuhler  
 MC, Spyker DA, Rivers LJ, Feldman R, Brown K, Pham NP , Bronstein AC,  
 Weber J. 2021 Annual Report of the National Poison Data System© (NPDS)  
 from America?s Poison Centers: 39th Annual Report. Clinical toxicity.  
 2023Jan05;60:1381-1643. doi:10.1080/15563650.2021.1989785" -  
 22190944 - Herbals\Mitragynine Feeling Of Relaxation  
 Somniphobia;Product  
 Complaint;Hypopnoea;Hyperhidrosis;Anxiety;Dry Mouth;Dizziness;Feeling  
 Hot;Hot Flush;Nausea Serious Other Outcomes Female 08-APR-2023  
 09-APR-2023 Direct 36 YR 58.5 KG Fda-Ctu Consumer  
 Not Specified - - 09-APR-2023 Not Specified

22188537	Y	-	-	-	-	-
Abuse	Drug Abuse	Alcohol;Gabapentin;Herbals\Mitragynine	Drug			
	Expedited	Serious Died	Male	-	09-APR-2023	
Professional	Not Specified	45 YR	Not Specified	Alvogen Healthcare		
US	Not Specified	-	27-MAR-2023	09-APR-2023		
Mowry JB, Beuhler MC, Spyker DA, Rivers LJ, Feldman R, Brown K, Nathaniel PTP, Bronstein AC, Weber JA. 2021 Annual Report of the National Poison Data System (NPDS) from America's Poison Centers: 39th Annual Report. Clinical Toxicology. 2023-Jan-05;60 (12):1381-1643. doi: https://doi.org/10.1080/15563650.2022.2132768"						
22188284	-	-	-	-	-	-
		Gabapentin;Lorazepam;Aripiprazole;Acetaminophen;Herbals\Mitragynine				
		Intentional Product Misuse	Intentional Product Misuse			
		Serious Died	Male	-	08-APR-2023	Expedited
		22 YR	Not Specified	Alvogen Healthcare Professional	Not	
		Specified	-	27-MAR-2023	08-APR-2023	US
		Specified	US-ALVOGEN-2023089713	"Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Rivers LJ, Feldman R, Brown K, Nathaniel PTP, Bronstein AC, Weber JA.. 2021 Annual Report of the National Poison Data System© (NPDS) from America's Poison Centers: 39th Annual Report.. Clinical toxicity. 2023Jan05;60(12):1381-1643. doi:10.1080/15563650.2021.1989785"	-	
22160856	-	Herbals\Mitragynine	-	-	-	-
		Nausea;Vomiting;Sensory Disturbance;Paraesthesia;Product Complaint;Headache;Paradoxical Drug Reaction	Non-Serious	Non-		
		Serious Male	30-MAR-2023	31-MAR-2023	Direct	34 YR
		Fda-Ctu Consumer	Not Specified	-	-	31-
		MAR-2023	Not Specified	Not Specified	-	-
20667448		Venlafaxine	Venlafaxine			
		Hydrochloride;Herbals\Mitragynine;Quetiapine Fumarate	Product Used			
		For Unknown Indication	Electrocardiogram Qt Prolonged;Drug Interaction;Serotonin Syndrome	Serious Other Outcomes;Hospitalized		
		Male	-	31-MAR-2023	Expedited	36 YR
		Specified	Rising Pharmaceuticals	Healthcare Professional	Not	
		Specified	-	20-MAR-2023	04-APR-2022	US
		Specified	US-RISINGPHARMA-US-2022RISLIT00319	Brogdon HD.A		
Case of Potential Pharmacokinetic Kratom-drug Interactions Resulting in Toxicity and Subsequent Treatment of Kratom Use Disorder With Buprenorphine/Naloxone.Journal of Addiction Medicine.14-FEB-2022						
22140015	-	Herbals\Mitragynine	Substance Use			
		Appetite Disorder;Weight Decreased;Depression;Apathy;Lethargy;Drug Dependence;Socioeconomic Precarity	Serious Hospitalized;Required Intervention			
		Male	25-FEB-2023	24-MAR-2023	Direct	31 YR
		67.5 KG	Fda-Ctu Consumer	Not Specified		
		Lexapro;Vitamin C	-	24-MAR-2023	Not Specified	Not
		Specified	-	-	-	
22134904	-	Herbals\Mitragynine	Anxiety;Pain In			
		Extremity	Toxicity To Various Agents;Drug Dependence;Substance			



Use	Serious	Died	Female	15-MAY-2022	23-MAR-2023	Direct
Concerta	28 YR	64.8 KG	Fda-Ctu Consumer	Not Specified	Not Specified	
-	-	-	23-MAR-2023	Not Specified	Not Specified	
22119202	-	-	Herbals\Mitragynine	Anxiety		
Dependence;Aggression;Restless Legs Syndrome;Asthenia;Skin Disorder;Disturbance In Attention;Dyspepsia;Anxiety				Serious		
Hospitalized;Required Intervention	Male	31-OCT-2022	20-			
MAR-2023	Direct	31 YR	54 KG	Fda-Ctu Consumer	Not	
Specified	-	-	20-MAR-2023	Not Specified	Not	
Specified	-	-	-			
22103278	-					
Herbals\Mitragynine;Gabapentin;Butalbital;Alcohol;Valproic Acid						
Product Used For Unknown Indication				Suspected Suicide		
Serious Died;Other Outcomes	Female	-	16-MAR-2023			
Expedited	45 YR	Not Specified	Catalent Pharma Healthcare			
Professional	Not Specified	-	05-MAR-2023	16-MAR-2023		
US	Not Specified	US-CATALENT PHARMA SOLUTIONS-				
CAT-000011-2023	"Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Rivers LJ, Feldman R, Brown K, Nathaniel PTP, Bronstein AC, Weber JA.2021 Annual Report of the National Poison Data System (NPDS) from America's Poison Centers: 39th Annual Report.Clinical toxicology (Philadelphia).DEC-2022;60(12):1381-1643"					
22090073	-	Herbals\Mitragynine	Product Used For			
Unknown Indication	Unevaluable Event		Serious Died	Male		
-	13-MAR-2023	Direct	32 YR	94.5 KG	Fda-Ctu	
Consumer	Not Specified	-	-	13-MAR-2023	Not	
Specified	Not Specified	-	-	-		
22073940	-	Herbals\Mitragynine	-	Fall;Drug		
Abuse;Confusional State;Fatigue;Loss Of Consciousness;Intentional Overdose	Serious	Required Intervention	Male	06-MAR-2023		
07-MAR-2023	Direct	33 YR	Not Specified	Fda-Ctu		
Consumer	Not Specified	-	-	07-MAR-2023	Not	
Specified	Not Specified	-	-	-		
22066563	Vivitrol;Heroin					
Naltrexone;Diamorphine;Herbals\Mitragynine			Drug			
Dependence;Product Used For Unknown Indication			Contraindicated			
Product Administered;Drug Ineffective;Substance Abuse	Non-Serious	Not Specified	-	06-MAR-2023	Non-	
Expedited	Not Specified	Not Specified	Alkermes			
Consumer	Not Specified	-	03-MAR-2023	06-MAR-2023		
US	Not Specified	US-ALKERMES INC.-ALK-2023-000931				
-	-					
22035701	-	Herbals\Mitragynine	Anxiety			
Contraindicated	Product Administered;Disorientation;Pneumonia					
Aspiration;Vomiting;Coma;Aspiration;Dyspnoea;Oxygen Saturation Decreased;Product Label Issue;Cerebrovascular Accident;Serotonin Syndrome	Serious	Life Threatening;Disabled;Hospitalized	Male			
29-JAN-2023	23-FEB-2023	Direct	50 YR	104.78 KG		
Fda-Ctu Consumer		Not Specified				

Sertraline;Buspirone;Gabapentin;Remeron;Metoprolol	-	23-
FEB-2023	Not Specified	Not Specified
22022197	-	Herbals\Mitragynine
Arthralgia;Back Pain		
"Death;Delusional Disorder, Unspecified Type;Abnormal		
Behaviour;Hallucination"		
06-FEB-2023	20-FEB-2023	Direct
48 YR	67.5 KG	Fda-
Ctu	Consumer	Not Specified
Ibuprofen;Seroquel;Herbals\Mitragynine	-	20-FEB-2023
Not Specified	Not Specified	-
22008425	Sertraline;Heroin	Diamorphine;Sertraline
Hydrochloride;Cocaine;Fentanyl Citrate;Cannabis Sativa Subsp. Indica		
Top;Alprazolam;Herbals\Mitragynine;Aripiprazole Product Used For		
Unknown Indication	Death	Serious Died
Male	2021	19-
FEB-2023	Expedited	17 YR
Not Specified	Specgx	
Healthcare Professional	Not Specified	-
05-JAN-2023	19-	
FEB-2023	US	Not Specified
US-SPECGX-		
T202300403	"Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Rivers	
LJ, Feldman R et al. 2021 Annual Report of the National Poison Data		
System (NPDS) from America's Poison Centers: 39th Annual Report.		
Clinical Toxicology. 2022;60(12):1381-643"		
22008414	-	Fentanyl Citrate;Herbals\Mitragynine;Cannabis
Sativa Subsp. Indica Top		
Product Used For Unknown Indication		
Drug Abuse;Incorrect Route Of Product Administration;Analgesic		
Drug Level Increased	Serious Died	Male
2021	19-FEB-2023	
Expedited	24 YR	Not Specified
Specgx	Healthcare	
Professional	Not Specified	-
05-JAN-2023	19-FEB-2023	
US	Not Specified	US-SPECGX-T202300495
"Gummin DD,		
Mowry JB, Beuhler MC, Spyker DA, Rivers LJ, Feldman R et al. 2021		
Annual Report of the National Poison Data System (NPDS) from America's		
Poison Centers: 39th Annual Report. Clinical Toxicology.		
2022;60(12):1381-643"		
22008410	-	Herbals\Mitragynine;Fentanyl Citrate
Product Used For Unknown Indication		
Death	Serious Died	Male
2021	19-FEB-2023	Expedited
28 YR	Not Specified	
Specgx	Healthcare Professional	Not Specified
-	05-	
JAN-2023	19-FEB-2023	US
Not Specified	US-SPECGX-	
T202300518	"Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Rivers	
LJ, Feldman R et al. 2021 Annual Report of the National Poison Data		
System (NPDS) from America's Poison Centers: 39th Annual Report.		
Clinical Toxicology. 2022;60(12):1381-643"		
22020899	Methadone	Methadone
Hydrochloride;Herbals\Mitragynine		
-	Analgesic Drug Level	
Increased;Drug Dependence;Drug Abuse	Serious	Hospitalized
Male		
06-FEB-2023	17-FEB-2023	Direct
42 YR	Not Specified	
Fda-Ctu	Consumer	Not Specified
-	-	17-
FEB-2023	Not Specified	Not Specified
-	-	-
21999326	-	Herbals\Mitragynine
-	Drug Screen	
Positive	Non-Serious	Non-Serious
Not Specified	-	
15-FEB-2023	Direct	Not Specified
Not Specified	Fda-	
Ctu	Consumer	Not Specified
-	-	15-FEB-2023

21996460	Not Specified	Y	-	-	-	
	Vivitrol		Naltrexone;Herbals\Mitragynine	Drug		
	Dependence;Product Used For Unknown Indication		Dyspnoea;Heart Rate Increased;Anxiety;Blood Pressure Increased;Substance Use Disorder;Drug Withdrawal Syndrome			
	Non-Serious		Non-Serious	Female	-	
	15-FEB-2023	Non-Expedited	Not Specified	Not Specified		
	Alkermes	Consumer	Not Specified	-	14-	
FEB-2023	15-FEB-2023	US	Not Specified	US-ALKERMES		
INC.-ALK-2023-000609	-	-				
21992615	Sertraline;Salicylate;Heroin					
	Aripiprazole;Diamorphine;Salicylic Acid;Cocaine;Fentanyl;Herbals\Mitragynine;Sertraline Hydrochloride;Alprazolam;Unspecified Ingredient;Cannabis Sativa Subsp. Indica Top		Product Used For Unknown Indication	Death		
	Serious Died	Male	2021	15-FEB-2023	Expedited	17 YR
	Not Specified	Endo	Healthcare Professional	Not Specified		
	-	18-JAN-2023	15-FEB-2023	US	Not Specified	
	US-ENDO PHARMACEUTICALS	INC-2023-000543	-	-		
21909633	Vivitrol		Naltrexone;Herbals\Mitragynine	Drug		
	Use Disorder;Product Used For Unknown Indication					
	Hyperhidrosis;Tremor;Substance Use Disorder;Nausea;Withdrawal Syndrome					
	Non-Serious	Non-Serious	Male	10-JAN-2023	15-	
FEB-2023	Non-Expedited	Not Specified	Not Specified			
Alkermes	Healthcare Professional	Not Specified	-	14-		
FEB-2023	25-JAN-2023	US	Not Specified	US-ALKERMES		
INC.-ALK-2023-000288	-	-				
21984130	-	Herbals\Mitragynine	-	Tic;Overdose		
	Serious Hospitalized	Male	10-FEB-2023	10-FEB-2023		
	Direct Not Specified	Not Specified	Fda-Ctu	Not Specified		
	Not Specified	-	10-FEB-2023	Not Specified		
	Not Specified	-	-			
21979697	Venlafaxine		Venlafaxine			
	Hydrochloride;Herbals\Mitragynine;Amphetamine		Product Used For			
	Unknown Indication	Drug Abuse	Serious Died	Male	-	
	10-FEB-2023	Expedited	31 YR	Not Specified	Bausch	
And Lomb	Healthcare Professional	Not Specified	-	02-		
FEB-2023	10-FEB-2023	US	Not Specified	US-BAUSCH-		
BL-2023-002262	"Gummin D, Mowry J, Beuhler M, Spyker D, Rivers L, Feldman R, Brown K, Pham N, Bronstein A, Weber J. 2021 Annual Report of the National Poison Data System (NPDS) from America's Poison Centers: 39th Annual Report. Clinical Toxicology. 2023 JAN 05;60 (12):1381-1643. doi:10.1080/15563650.2022.2132768"					-
21976393	Alcohol (Alcohol)					
	Alcohol;Clonazepam;Herbals\Mitragynine		Product Used For Unknown			
	Indication	Cardio-Respiratory Arrest;Drug Abuse	Serious Died			
	Male	2021	10-FEB-2023	Expedited	21 YR	Not
	Specified	Endo	Healthcare Professional	Not Specified	-	
	18-JAN-2023	10-FEB-2023	US	Not Specified	US-	
ENDO PHARMACEUTICALS	INC-2023-000710	-	-			
21974859	-	Diazepam;Herbals\Mitragynine;Fentanyl				

Product Used For Unknown Indication Drug Abuse Serious Died  
 Male - 09-FEB-2023 Expedited 70 YR Not  
 Specified Bausch And Lomb Healthcare Professional Not Specified  
 - 02-FEB-2023 09-FEB-2023 US Not Specified  
 US-BAUSCH-BL-2023-002101 "Gummin D, Mowry J, Beuhler M,  
 Spyker D, Rivers L, Feldman R, Brown K, Pham N, Bronstein A, Weber J.  
 2021 Annual Report of the National Poison Data System (NPDS) from  
 America's Poison Centers: 39th Annual Report. Clinical Toxicology.  
 2023 JAN 05;60 (12):1381-1643. doi:10.1080/15563650.2022.2132768"

21970341 - Herbals\Mitragynine;Fentanyl;Diazepam  
 Product Used For Unknown Indication Drug Abuse Serious Died  
 Male 2021 09-FEB-2023 Expedited 70 YR Not  
 Specified Endo Healthcare Professional Not Specified -  
 18-JAN-2023 09-FEB-2023 US Not Specified US-  
 ENDO PHARMACEUTICALS INC-2023-000602 - -  
 21970297 - Getacetetide

Acetate;Ephedrine;Phenylpropanolamine;Herbals\Mitragynine  
 Product Used For Unknown Indication Toxicity To Various Agents  
 Serious Died Male - 09-FEB-2023 Expedited  
 32 YR Not Specified Johnson And Johnson Healthcare  
 Professional Not Specified - 27-JAN-2023 09-FEB-2023  
 US Not Specified US-JNJFOC-20230211671 - -

21972776 - Herbals\Mitragynine - Overdose  
 Serious Hospitalized;Life Threatening;Other Outcomes Male  
 22-DEC-2022 08-FEB-2023 Direct 31 YR 67.5 KG Fda-  
 Ctu Consumer Not Specified - - 08-FEB-2023  
 Not Specified Not Specified - - -

21957665 -  
 Herbals\Mitragynine;Aripiprazole;Acetaminophen;Lorazepam;Gabapentin  
 - Death;Intentional Product Misuse Serious  
 Died;Other Outcomes Male 2021 06-FEB-2023 Expedited  
 22 YR Not Specified Pfizer Healthcare Professional Not  
 Specified - 27-JAN-2023 06-FEB-2023 US Not  
 Specified US-PFIZER INC-202300053813 "Gummin, D.. 2021  
 Annual Report of the National Poison Data System (NPDS) from America's  
 Poison Centers: 39th Annual Report. Clinical Toxicology. 2022;60  
 (12):1381-1643" -

21961725 - Herbals\Mitragynine Dependence Eye  
 Disorder;Skin Discolouration;Skin Exfoliation;Product  
 Complaint;Unevaluable Event;Withdrawal Syndrome;Drug Dependence  
 Serious Life Threatening;Required Intervention;Disabled Male 02-  
 FEB-2023 04-FEB-2023 Direct 27 YR 56.25 KG Fda-  
 Ctu Consumer Not Specified - - 04-FEB-2023  
 Not Specified Not Specified - - -

21952960 Methadone Methadone  
 Hydrochloride;Herbals\Mitragynine Product Used For Unknown  
 Indication Completed Suicide;Analgesic Drug Level Increased  
 Serious Died Male 2021 04-FEB-2023 Expedited  
 39 YR Not Specified Specgx Healthcare Professional Not

Specified	-	05-JAN-2023	04-FEB-2023	US	Not
Specified	US-SPECGX-T202300115	"Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Rivers LJ, Feldman R et al. 2021 Annual Report of the National Poison Data System (NPDS) from America's Poison Centers: 39th Annual Report. Clinical Toxicology. 2022;60(12):1381-643"			
21946205	-	Herbals\Mitragynine;Fentanyl Citrate	-		
Drug Abuse;Cardiac Arrest;Respiratory Arrest	Serious Other				
Outcomes;Hospitalized;Died	Male	2021	02-FEB-2023		
Expedited	41 YR	Not Specified	Pfizer Healthcare		
Professional	Not Specified	-	27-JAN-2023	02-FEB-2023	
US	Not Specified	US-PFIZER			
INC-202300043123	"Gummin, D.. 2021 Annual Report of the National Poison Data System (NPDS) from America's Poison Centers: 39th Annual Report. Clinical Toxicology. 2022;60 (12):1381-1643"				
21946143	-	Herbals\Mitragynine;Fentanyl Citrate	-		
Death	Serious Other Outcomes;Died	Male	2021	02-	
FEB-2023	Expedited	28 YR	Not Specified	Pfizer	
Healthcare Professional	Not Specified	-	27-JAN-2023	02-	
FEB-2023	US	Not Specified	US-PFIZER	INC-202300042710	
"Gummin, D.. 2021 Annual Report of the National Poison Data System (NPDS) from America's Poison Centers: 39th Annual Report. Clinical Toxicology. 2022;60 (12):1381-1643"					
21946136	-	Fentanyl Citrate;Herbals\Mitragynine	-		
Completed Suicide	Serious Died;Other Outcomes	Female			
2021	02-FEB-2023	Expedited	54 YR	Not Specified	
Pfizer	Healthcare Professional	Not Specified	-	27-	
JAN-2023	02-FEB-2023	US	Not Specified	US-PFIZER	
INC-202300042664	"Gummin, D.. 2021 Annual Report of the National Poison Data System (NPDS) from America's Poison Centers: 39th Annual Report. Clinical Toxicology. 2022;60 (12):1381-1643"				
21945311	-	Fentanyl Citrate;Herbals\Mitragynine	-		
Death	Serious Died;Other Outcomes	Male	2021	02-	
FEB-2023	Expedited	42 YR	Not Specified	Pfizer	
Healthcare Professional	Not Specified	-	27-JAN-2023	02-	
FEB-2023	US	Not Specified	US-PFIZER	INC-202300042762	
"Gummin, D.. 2021 Annual Report of the National Poison Data System (NPDS) from America's Poison Centers: 39th Annual Report. Clinical Toxicology. 2022;60 (12):1381-1643"					
21945291	Sertraline;Heroin				
Diamorphine;Alprazolam;Cocaine;Aspirin;Sertraline					
Hydrochloride;Cannabis Sativa Subsp. Indica Top;Aripiprazole;Fentanyl Citrate;Herbals\Mitragynine					
Hospitalized;Other Outcomes;Died	Male	2021	02-FEB-2023		
Expedited	17 YR	Not Specified	Pfizer Healthcare		
Professional	Not Specified	-	27-JAN-2023	02-FEB-2023	
US	Not Specified	US-PFIZER			
INC-202300042960	"Gummin, D.. 2021 Annual Report of the National Poison Data System (NPDS) from America's Poison Centers: 39th Annual Report. Clinical Toxicology. 2022;60 (12):1381-1643"				
21937016	-	Herbals\Mitragynine;Cocaine;Fentanyl			

Citrate;Cannabis Sativa Subsp. Indica Top	-	Drug
Abuse;Respiratory Arrest;Cardiac Arrest Serious		
Died;Hospitalized;Other Outcomes	Male 2021	01-FEB-2023
Expedited 27 YR Not Specified	Pfizer	Healthcare
Professional Not Specified -	27-JAN-2023	01-FEB-2023
US Not Specified	US-PFIZER	
INC-202300042451	"Gummin, D.. 2021 Annual Report of the	
National Poison Data System (NPDS) from America's Poison Centers: 39th		
Annual Report. Clinical Toxicology. 2022;60 (12):1381-1643"	-	
21934729	Corphedra	Ephedrine
Sulfate;Herbals\Mitragynine;Phenylpropanolamine;Dextromethorphan		
Product Used For Unknown Indication	Death;Cardio-	
Respiratory Arrest Serious Died	Male 2021	01-FEB-2023
Expedited 32 YR Not Specified	Endo	Healthcare
Professional Not Specified -	18-JAN-2023	01-FEB-2023
US Not Specified	US-ENDO PHARMACEUTICALS	
INC-2023-000225	-	-
21934056	Trazodone	Trazodone
Hydrochloride;Ibuprofen;Herbals\Mitragynine	Product Used For	
Unknown Indication	Death Serious Died	Male 2021 01-
FEB-2023	Expedited 52 YR Not Specified	Endo
Healthcare Professional Not Specified	-	18-JAN-2023 01-
FEB-2023	US Not Specified	US-ENDO PHARMACEUTICALS
INC-2023-000348	-	-
21935676	-	Herbals\Mitragynine
Anxiety;Asthenia;Depression	Dependence;Concussion;Head Injury;Loss	
Of Consciousness	Serious Other Outcomes	Male 14-MAR-2022
31-JAN-2023	Direct 55 YR 92.25 KG	Fda-Ctu
Consumer	Not Specified	Valium;Lisinopril;Motrin -
31-JAN-2023	Not Specified	Not Specified -
-		
21932948	-	Flubromazolam;Fentanyl Citrate;Cannabis Sativa
Subsp. Indica Top;Herbals\Mitragynine	-	Drug Abuse;Cardiac
Arrest;Respiratory Arrest	Serious Other Outcomes;Died	Male
2021 31-JAN-2023	Expedited 24 YR	Not Specified
Pfizer	Healthcare Professional Not Specified	- 27-
JAN-2023	31-JAN-2023	US Not Specified
INC-202300041969	"Gummin, D.. 2021 Annual Report of the	
National Poison Data System (NPDS) from America's Poison Centers: 39th		
Annual Report. Clinical Toxicology. 2022;60 (12):1381-1643"	-	
21927733	Trazodone	Trazodone
Hydrochloride;Herbals\Mitragynine;Ibuprofen	Product Used For	
Unknown Indication	Exposure To Toxic Agent	Serious Died Male
2021 30-JAN-2023	Expedited 52 YR	Not Specified
Galpharm International	Healthcare Professional	Not Specified
-	23-JAN-2023	30-JAN-2023
US-PERRIGO-23US000960	-	-
21926051	-	Herbals\Mitragynine
Amnesia;Dysarthria;Delusion;Balance Disorder;Euphoric Mood		
Serious Other Outcomes	Female 21-JAN-2023	29-JAN-2023 Direct

63 YR	76.5 KG	Fda-Ctu	Consumer	Not Specified	
Vitamin C;Garlic;Vitamins	-	-	-	29-JAN-2023	Not Specified
Not Specified	-	-	-	-	-
21919380	-	Doxylamine			
Succinate;Cocaine;Herbals\Mitragynine		Drug Abuse	Exposure To		
Toxic Agent	Serious	Died	Male	2021	27-JAN-2023
Expedited	20 YR	Not Specified		Galpharm International	
Healthcare Professional	Not Specified	-	-	23-JAN-2023	27-
JAN-2023	US	Not Specified		US-PERRIGO-23US001235	-
-	-	-	-	-	-
21917719	-				
Aripiprazole;Acetaminophen;Herbals\Mitragynine;Lorazepam;Gabapentin		Product Used For Unknown Indication	Intentional Product		
Misuse	Serious	Died	Male	-	27-JAN-2023
22 YR	Not Specified	Glenmark	Healthcare		
Professional	Not Specified	-	-	17-JAN-2023	27-JAN-2023
US	Not Specified	US-GLENMARK			
PHARMACEUTICALS-2023GMK078006		"Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Rivers LJ, Feldman R, Brown K, Pham Nathaniel PT, Bronstein AC, Weber JA.. 2021 Annual Report of the National Poison Data System (NPDS) from America's Poison Centers: 39th Annual Report.. Clinical Toxicology.. 2022;60 (12):1381-1643"		-	
21916131	-				
Acetaminophen;Gabapentin;Aripiprazole;Lorazepam;Herbals\Mitragynine		Product Used For Unknown Indication	Exposure To Toxic		
Agent	Serious	Died	Male	2021	26-JAN-2023
22 YR	Not Specified	Galpharm International	Healthcare		
Professional	Not Specified	-	-	23-JAN-2023	26-JAN-2023
US	Not Specified	US-PERRIGO-23US000849		-	-
21909724	Sertraline	Sertraline			
Hydrochloride;Herbals\Mitragynine;Acetaminophen		Suspected Suicide			
Exposure To Toxic Agent	Serious	Died	Male	2021	25-
JAN-2023	Expedited	34 YR	Not Specified	Galpharm	
International	Healthcare Professional	Not Specified	-	-	23-
JAN-2023	25-JAN-2023	US	Not Specified	US-	
PERRIGO-23US000857	-	-			
21908138	-	Herbals\Mitragynine	Substance Use		
Product Complaint;Product Use Issue;Product Communication					
Issue;Confusional State;Substance Use;Euphoric Mood;Impaired Driving					
Ability;Therapeutic Drug Monitoring Analysis		Not Performed			
Serious	Other Outcomes	Female	20-JAN-2023	24-JAN-2023	Direct
30 YR	54 KG	Fda-Ctu	Consumer	Not Specified	-
-	24-JAN-2023	Not Specified	Y	-	-
-	-	-	-	-	-
21894625	Trazodone	Trazodone			
Hydrochloride;Ibuprofen;Herbals\Mitragynine		Product Used For			
Unknown Indication		Intentional Product Use Issue	Serious		
Hospitalized;Died	Male	-	-	22-JAN-2023	Expedited
52 YR	Not Specified	Apotex	Healthcare Professional	Not	
Specified	-	09-JAN-2023	22-JAN-2023	US	Not

Specified US-APOTEX-2023AP001301 "Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Rivers LJ, Feldman R, Brown K, Pham Nathaniel PT, Bronstein AC, Weber JA. 2021 Annual Report of the National Poison Data System (NPDS) from America's Poison Centers: 39th Annual Report. Clinical Toxicology. 2022;60:12:1381-1643" -

21891841 - Herbals\Mitragynine Product Used For Unknown Indication Hyperhidrosis;Withdrawal Syndrome;Tremor;Drug Dependence;Asthenia;Insomnia;Impulsive Behaviour;Vomiting;Depression;Memory Impairment;Thinking Abnormal;Emotional Disorder;Suicidal Ideation;Diarrhoea;Feeling Abnormal;Restless Legs Syndrome Non-Serious Non-Serious Male - 20-JAN-2023 Direct 39 YR 87.75 KG Fda-Ctu Consumer Not Specified - - 20-JAN-2023 Not Specified Not Specified - - -

21888023 Alcohol (Alcohol) Alcohol;Fentanyl;Herbals\Mitragynine Product Used For Unknown Indication Drug Abuse;Cardio-Respiratory Arrest Serious Died;Other Outcomes;Hospitalized Male 2021 20-JAN-2023 Expedited 41 YR Not Specified Apotex Healthcare Professional Not Specified - 09-JAN-2023 20-JAN-2023 US Not Specified US-APOTEX-2023AP001014 "Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Rivers LJ, Feldman R, Brown K, Pham Nathaniel PT, Bronstein AC, Weber JA. 2021 Annual Report of the National Poison Data System (NPDS) from America's Poison Centers: 39th Annual Report. Clinical Toxicology. 2022;60:12:1381-1643" -

21883867 - Herbals\Mitragynine;Fentanyl;Diazepam Product Used For Unknown Indication Drug Abuse Serious Other Outcomes;Died Male - 19-JAN-2023 Non-Expedited 70 YR Not Specified Apotex Healthcare Professional Not Specified - 09-JAN-2023 19-JAN-2023 US Not Specified US-APOTEX-2023AP001599 "Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Rivers LJ, Feldman R, Brown K, Pham Nathaniel PT, Bronstein AC, Weber JA. 2021 Annual Report of the National Poison Data System (NPDS) from America's Poison Centers: 39th Annual Report. Clinical Toxicology. 2022;60:12:1381-1643" -

21883344 Sertraline Sertraline Hydrochloride;Herbals\Mitragynine;Acetaminophen Product Used For Unknown Indication Completed Suicide Serious Hospitalized;Other Outcomes;Died Male 2021 19-JAN-2023 Expedited 34 YR Not Specified Apotex Healthcare Professional Not Specified - 09-JAN-2023 19-JAN-2023 US Not Specified US-APOTEX-2023AP000800 "Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Rivers LJ, Feldman R, Brown K, Pham Nathaniel PT, Bronstein AC, Weber JA. 2021 Annual Report of the National Poison Data System (NPDS) from America's Poison Centers: 39th Annual Report. Clinical Toxicology. 2022;60:12:1381-1643" -

21882849 - Fentanyl;Methamphetamine;Herbals\Mitragynine Product Used For Unknown Indication Drug Abuse Serious Other Outcomes;Died Male - 19-JAN-2023 Non-Expedited 57 YR Not Specified Apotex Healthcare



Professional Not Specified - 09-JAN-2023 19-JAN-2023  
US Not Specified US-APOTEX-2023AP001394 "Gummin DD,  
Mowry JB, Beuhler MC, Spyker DA, Rivers LJ, Feldman R, Brown K, Pham  
Nathaniel PT, Bronstein AC, Weber JA. 2021 Annual Report of the  
National Poison Data System (NPDS) from America's Poison Centers: 39th  
Annual Report. Clinical Toxicology. 2022;60:12:1381-1643" -  
21882068 Heroin;Sertraline Sertraline  
Hydrochloride;Fentanyl;Cannabis Sativa Subsp. Indica  
Top;Herbals\Mitragynine;Diamorphine;Cocaine;Alprazolam;Aripiprazole  
Product Used For Unknown Indication Death Serious Other  
Outcomes;Died;Hospitalized Male 2021 19-JAN-2023  
Expedited 17 YR Not Specified Apotex Healthcare  
Professional Not Specified - 09-JAN-2023 19-JAN-2023  
US Not Specified US-APOTEX-2023AP002115 "Gummin DD,  
Mowry JB, Beuhler MC, Spyker DA, Rivers LJ, Feldman R, Brown K, Pham  
Nathaniel PT, Bronstein AC, Weber JA. 2021 Annual Report of the  
National Poison Data System (NPDS) from America's Poison Centers: 39th  
Annual Report. Clinical Toxicology. 2022;60:12:1381-1643" -  
21878217 Alcohol (Alcohol)  
Alcohol;Gabapentin;Herbals\Mitragynine Product Used For Unknown  
Indication Drug Abuse Serious Died;Other Outcomes Male  
- 18-JAN-2023 Expedited 45 YR Not Specified  
Apotex Healthcare Professional Not Specified - 09-  
JAN-2023 18-JAN-2023 US Not Specified US-  
APOTEX-2023AP002156 "Gummin DD, Mowry JB, Beuhler MC, Spyker DA,  
Rivers LJ, Feldman R, Brown K, Pham Nathaniel PT, Bronstein AC, Weber  
JA. 2021 Annual Report of the National Poison Data System (NPDS) from  
America's Poison Centers: 39th Annual Report. Clinical Toxicology.  
2022;60:12:1381-1643" -  
21877437 Alcohol (Alcohol) Alcohol;Valproic  
Acid;Gabapentin;Herbals\Mitragynine;Butalbital Product Used For  
Unknown Indication Cardio-Respiratory Arrest;Completed Suicide  
Serious Other Outcomes;Died;Hospitalized Female 2021  
18-JAN-2023 Expedited 45 YR Not Specified Apotex  
Healthcare Professional Not Specified - 09-JAN-2023  
18-JAN-2023 US Not Specified US-APOTEX-2023AP001683  
"Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Rivers LJ,  
Feldman R, Brown K, Pham Nathaniel PT, Bronstein AC, Weber JA. 2021  
Annual Report of the National Poison Data System (NPDS) from America's  
Poison Centers: 39th Annual Report. Clinical Toxicology.  
2022;60:12:1381-1643" -  
21876037 -  
Oxycodone;Etizolam;Fentanyl;Gabapentin;Herbals\Mitragynine  
Product Used For Unknown Indication Drug Abuse Serious Other  
Outcomes;Died Male - 18-JAN-2023 Expedited 46 YR  
Not Specified Apotex Healthcare Professional Not Specified  
- 09-JAN-2023 18-JAN-2023 US Not Specified  
US-APOTEX-2023AP001163 "Gummin DD, Mowry JB, Beuhler MC,  
Spyker DA, Rivers LJ, Feldman R, Brown K, Pham Nathaniel PT, Bronstein  
AC, Weber JA. 2021 Annual Report of the National Poison Data System

(NPDS) from America's Poison Centers: 39th Annual Report. Clinical Toxicology. 2022;60:12:1381-1643" -

21876005 Alcohol (Alcohol)

Alcohol;Fentanyl;Herbals\Mitragynine Product Used For Unknown

Indication Drug Abuse Serious Other Outcomes;Died Male

- 18-JAN-2023 Non-Expedited 42 YR Not Specified

Apotex Healthcare Professional Not Specified - 09-

JAN-2023 18-JAN-2023 US Not Specified US-

APOTEX-2023AP001048 "Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Rivers LJ, Feldman R, Brown K, Pham Nathaniel PT, Bronstein AC, Weber JA. 2021 Annual Report of the National Poison Data System (NPDS) from America's Poison Centers: 39th Annual Report. Clinical Toxicology.

2022;60:12:1381-1643" -

21865359 Alcohol (Alcohol)

Alcohol;Clonazepam;Herbals\Mitragynine;Fentanyl Product Used For

Unknown Indication Drug Abuse Serious Other Outcomes;Died

Male - 18-JAN-2023 Non-Expedited 26 YR Not

Specified Apotex Healthcare Professional Not Specified -

09-JAN-2023 16-JAN-2023 US Not Specified US-

APOTEX-2023AP000453 "Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Rivers LJ, Feldman R, Brown K, Pham Nathaniel PT, Bronstein AC, Weber JA. 2021 Annual Report of the National Poison Data System (NPDS) from America's Poison Centers: 39th Annual Report. Clinical Toxicology.

2022;60:12:1381-1643" -

21873010 - Chlorpheniramine

Maleate;Fentanyl;Herbals\Mitragynine - Toxicity To Various

Agents;Drug Abuse Serious Died Female - 17-JAN-2023

Expedited 31 YR Not Specified Bayer Healthcare

Professional Not Specified - 09-JAN-2023 17-JAN-2023

US Not Specified US-BAYER-2023A003690 Gummin D D;

Mowry J B; Beuhler C; Spyker D A; Rivers L J; Feldman R; Brown K; Pham Nathanuek; Bronsteun A C; Weber J A. 2021 Annual Report of the National Poison Data System© (NPDS) from America's Poison Centers: 39th Annual Repor. Clinical Toxicology. 2022;60:12:1381-1643 -

21872866 Alcohol (Alcohol)

Alcohol;Fentanyl;Herbals\Mitragynine Product Used For Unknown

Indication Drug Abuse Serious Other Outcomes;Died Male

- 17-JAN-2023 Non-Expedited 38 YR Not Specified

Apotex Healthcare Professional Not Specified - 09-

JAN-2023 17-JAN-2023 US Not Specified US-

APOTEX-2023AP000932 "Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Rivers LJ, Feldman R, Brown K, Pham Nathaniel PT, Bronstein AC, Weber JA. 2021 Annual Report of the National Poison Data System (NPDS) from America's Poison Centers: 39th Annual Report. Clinical Toxicology.

2022;60:12:1381-1643" -

21872340 Sertraline;Heroin

Diamorphine;Aripiprazole;Herbals\Mitragynine;Sertraline

Hydrochloride;Fentanyl;Alprazolam;Cannabis Sativa Subsp. Indica

Top;Cocaine;Aspirin - Toxicity To Various Agents;Product Use

Issue Serious Died;Hospitalized Male - 17-JAN-2023

Expedited	17 YR	Not Specified	Bayer	Healthcare
Professional	Not Specified	-	09-JAN-2023	17-JAN-2023
US	Not Specified	US-BAYER-2023A002779	Gummin D D;	
Mowry J B; Beuhler C; Spyker D A; Rivers L J; Feldman R; Brown K; Pham Nathanuek; Bronsteun A C; Weber J A. 2021 Annual Report of the National Poison Data System© (NPDS) from America's Poison Centers: 39th Annual Repor. Clinical Toxicology. 2022;60:12:1381-1643				
21871552	-	Herbals\Mitragynine;Fentanyl	Product Used	
For Unknown Indication	Completed Suicide	Serious Other		
Outcomes;Died	Female	2021	17-JAN-2023	Expedited 54 YR
Not Specified	Apotex	Healthcare Professional	Not Specified	
-	09-JAN-2023	17-JAN-2023	US	Not Specified
US-APOTEX-2023AP001335 "Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Rivers LJ, Feldman R, Brown K, Pham Nathaniel PT, Bronstein AC, Weber JA. 2021 Annual Report of the National Poison Data System (NPDS) from America's Poison Centers: 39th Annual Report. Clinical Toxicology. 2022;60:12:1381-1643"				
21871276	-			
Lorazepam;Gabapentin;Herbals\Mitragynine;Acetaminophen;Aripiprazole				
Product Used	For Unknown Indication	Intentional Product		
Misuse	Serious	Died	Male	2021
22 YR	Not Specified	Apotex	Healthcare Professional	Not Specified
-	09-JAN-2023	17-JAN-2023	US	Not Specified
US-APOTEX-2023AP000328 "Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Rivers LJ, Feldman R, Brown K, Pham Nathaniel PT, Bronstein AC, Weber JA. 2021 Annual Report of the National Poison Data System (NPDS) from America's Poison Centers: 39th Annual Report. Clinical Toxicology. 2022;60:12:1381-1643"				
21870466	Alcohol (Alcohol)			
Alcohol;Fentanyl;Herbals\Mitragynine				
Product Used	For Unknown Indication	Drug Abuse	Serious Other	Outcomes;Died
-	17-JAN-2023	Non-Expedited	57 YR	Not Specified
Apotex	Healthcare Professional	Not Specified	-	09-JAN-2023
JAN-2023	17-JAN-2023	US	Not Specified	US-
APOTEX-2023AP001401 "Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Rivers LJ, Feldman R, Brown K, Pham Nathaniel PT, Bronstein AC, Weber JA. 2021 Annual Report of the National Poison Data System (NPDS) from America's Poison Centers: 39th Annual Report. Clinical Toxicology. 2022;60:12:1381-1643"				
21867698	-	Chlorpheniramine;Herbals\Mitragynine;Fentanyl		
Product Used	For Unknown Indication	Drug Abuse		
Serious	Died;Other Outcomes	Female	-	16-JAN-2023
Expedited	31 YR	Not Specified	Apotex	Healthcare
Professional	Not Specified	-	09-JAN-2023	16-JAN-2023
US	Not Specified	US-APOTEX-2023AP000645	"Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Rivers LJ, Feldman R, Brown K, Pham Nathaniel PT, Bronstein AC, Weber JA. 2021 Annual Report of the National Poison Data System (NPDS) from America's Poison Centers: 39th Annual Report. Clinical Toxicology. 2022;60:12:1381-1643"	-
21866057	-	Fentanyl;Cocaine;Herbals\Mitragynine;Cannabis		

Sativa Subsp. Indica Top	Product Used For Unknown Indication				
Drug Abuse;Cardio-Respiratory Arrest	Serious				
Hospitalized;Other Outcomes;Died	Male	2021	16-JAN-2023		
Expedited	27 YR	Not Specified	Apotex	Healthcare	
Professional	Not Specified	-	09-JAN-2023	16-JAN-2023	
US	Not Specified	US-APOTEX-2023AP000475	"Gummin DD,		
Mowry JB, Beuhler MC, Spyker DA, Rivers LJ, Feldman R, Brown K, Pham Nathaniel PT, Bronstein AC, Weber JA. 2021 Annual Report of the National Poison Data System (NPDS) from America's Poison Centers: 39th Annual Report. Clinical Toxicology. 2022;60:12:1381-1643"					
21865432	-	Cannabis Sativa Subsp. Indica			
Top;Fentanyl;Herbals\Mitragynine	Product Used For Unknown				
Indication	Drug Abuse	Serious	Other Outcomes;Died	Male	
-	16-JAN-2023	Non-Expedited	28 YR	Not Specified	
Apotex	Healthcare Professional	Not Specified	-	09-	
JAN-2023	16-JAN-2023	US	Not Specified	US-	
APOTEX-2023AP000529	"Gummin DD, Mowry JB, Beuhler MC, Spyker DA,				
Rivers LJ, Feldman R, Brown K, Pham Nathaniel PT, Bronstein AC, Weber JA. 2021 Annual Report of the National Poison Data System (NPDS) from America's Poison Centers: 39th Annual Report. Clinical Toxicology. 2022;60:12:1381-1643"					
21865135	-	Herbals\Mitragynine;Fentanyl	Product Used		
For Unknown Indication	Death	Serious	Died;Other Outcomes	Male	
2021	16-JAN-2023	Expedited	28 YR	Not Specified	
Apotex	Healthcare Professional	Not Specified	-	09-	
JAN-2023	16-JAN-2023	US	Not Specified	US-	
APOTEX-2023AP000533	"Gummin DD, Mowry JB, Beuhler MC, Spyker DA,				
Rivers LJ, Feldman R, Brown K, Pham Nathaniel PT, Bronstein AC, Weber JA. 2021 Annual Report of the National Poison Data System (NPDS) from America's Poison Centers: 39th Annual Report. Clinical Toxicology. 2022;60:12:1381-1643"					
21865069	-	Heroin Diamorphine;Fentanyl;Herbals\Mitragynine			
Product Used For Unknown Indication	Drug Abuse				
Serious	Died;Other Outcomes	Male	-	16-JAN-2023	Non-
Expedited	26 YR	Not Specified	Apotex	Healthcare	
Professional	Not Specified	-	09-JAN-2023	16-JAN-2023	
US	Not Specified	US-APOTEX-2023AP000425	"Gummin DD,		
Mowry JB, Beuhler MC, Spyker DA, Rivers LJ, Feldman R, Brown K, Pham Nathaniel PT, Bronstein AC, Weber JA. 2021 Annual Report of the National Poison Data System (NPDS) from America's Poison Centers: 39th Annual Report. Clinical Toxicology. 2022;60:12:1381-1643"					
21864247	-	Herbals\Mitragynine;Fentanyl;Cannabis Sativa			
Subsp. Indica Top	Product Used For Unknown Indication				
Cardio-Respiratory Arrest;Drug Abuse	Serious				
Hospitalized;Died;Other Outcomes	Male	2021	16-JAN-2023		
Expedited	24 YR	Not Specified	Apotex	Healthcare	
Professional	Not Specified	-	09-JAN-2023	16-JAN-2023	
US	Not Specified	US-APOTEX-2023AP000371	"Gummin DD,		
Mowry JB, Beuhler MC, Spyker DA, Rivers LJ, Feldman R, Brown K, Pham Nathaniel PT, Bronstein AC, Weber JA. 2021 Annual Report of the					

National Poison Data System (NPDS) from America's Poison Centers: 39th Annual Report. Clinical Toxicology. 2022;60:12:1381-1643" -

21870942 - Herbals\Mitragynine Drug Dependence Drug  
Screen Positive;Legal Problem Non-Serious Non-Serious Male  
30-DEC-2022 14-JAN-2023 Direct 51 YR 99 KG Fda-  
Ctu Consumer Not Specified Herbals\Mitragynine -  
14-JAN-2023 Not Specified Not Specified - -  
-

21858301 Methadone Methadone  
Hydrochloride;Fentanyl;Herbals\Mitragynine Product Used For  
Unknown Indication Drug Abuse Serious Died;Other Outcomes  
Male - 13-JAN-2023 Non-Expedited 31 YR Not  
Specified Apotex Healthcare Professional Not Specified -  
09-JAN-2023 13-JAN-2023 US Not Specified US-  
APOTEX-2023AP000658 "Gummin DD, Mowry JB, Beuhler MC, Spyker DA,  
Rivers LJ, Feldman R, Brown K, Pham Nathaniel PT, Bronstein AC, Weber  
JA. 2021 Annual Report of the National Poison Data System (NPDS) from  
America's Poison Centers: 39th Annual Report. Clinical Toxicology.  
2022;60:12:1381-1643" -

21857327 - Herbals\Mitragynine;Fentanyl;Alprazolam  
Product Used For Unknown Indication Drug Abuse Serious  
Died;Other Outcomes Male - 13-JAN-2023 Expedited  
24 YR Not Specified Apotex Healthcare Professional Not  
Specified - 09-JAN-2023 13-JAN-2023 US Not  
Specified US-APOTEX-2023AP000380 "Gummin DD, Mowry JB, Beuhler  
MC, Spyker DA, Rivers LJ, Feldman R, Brown K, Pham Nathaniel PT,  
Bronstein AC, Weber JA. 2021 Annual Report of the National Poison Data  
System (NPDS) from America's Poison Centers: 39th Annual Report.  
Clinical Toxicology. 2022;60:12:1381-1643" -

21854881 - Herbals\Mitragynine Anxiety Death  
Serious Died Male 02-DEC-2021 12-JAN-2023 Direct 23 YR  
83.25 KG Fda-Ctu Consumer Not Specified  
Hydroxyzine;Citalopram - 12-JAN-2023 Not Specified Not  
Specified - - -

21850359 - Herbals\Mitragynine Drug Dependence Death  
Serious Died Female 01-APR-2020 11-JAN-2023 Direct  
37 YR 72 KG Fda-Ctu Consumer Not Specified -  
- 11-JAN-2023 Not Specified Not Specified -  
-

21844334 - Herbals\Mitragynine Product Used For  
Unknown Indication Substance Use Serious Died Male 24-  
JUL-2022 10-JAN-2023 Direct 23 YR Not Specified Fda-  
Ctu Consumer Not Specified - - 10-JAN-2023  
Not Specified Not Specified - - -

21835312 - Gabapentin;Acetaminophen;Herbals\Mitragynine  
Product Used For Unknown Indication Toxicity To Various  
Agents;Intentional Product Misuse Serious Died Male 2021  
09-JAN-2023 Expedited 22 YR Not Specified  
Johnson And Johnson Healthcare Professional Not Specified -  
01-JAN-2023 09-JAN-2023 US Not Specified US-

JNJFOC-20230106764	-	-				
21810314	-	Herbals\Mitragynine	Anxiety;Disturbance In			
Attention	Impaired Work Ability;Movement					
Disorder;Retching;Motion Sickness;Dizziness;Product Odour						
Abnormal;Product Complaint;Vomiting Projectile;Malaise;Product Taste						
Abnormal;Nervousness	Serious Other Outcomes	Female	30-AUG-2022			
01-JAN-2023	Direct	50 YR	72 KG	Fda-Ctu	Consumer	
Not Specified	Unspecified Ingredient	-			01-JAN-2023	
Not Specified	Y	-	-	-		
21801398	Kava	Piper Methysticum Root;Herbals\Mitragynine				
Asthenia	Personality Change;Chest Pain;Drug					
Dependence;Irritability;Sleep Disorder;Abnormal Behaviour;Road Traffic						
Accident;Thinking Abnormal;Cardiac Arrest;Drug Tolerance;Incorrect						
Dose Administered;Unevaluable Event;Weight Decreased	Serious Died					
Male	28-JUL-2021	30-DEC-2022	Direct	36 YR	90 KG	
Fda-Ctu	Consumer	Not Specified	-	-	30-	
DEC-2022	Not Specified	Y	-	-	-	
21793690	-	Herbals\Mitragynine	-	Product		
Formulation Issue;Product Contamination;Drug Abuse;Withdrawal Syndrome						
Serious Other Outcomes	Male	23-DEC-2022	28-DEC-2022			
Direct	39 YR	174 LB	Fda-Ctu	Not Specified	Not Specified	
-	-	28-DEC-2022	Not Specified	Not Specified	Not Specified	
-	-	-				
21793686	-	Herbals\Mitragynine	-			
Diarrhoea;Panic Attack;Confusional State;Withdrawal Syndrome;Mood						
Altered;Asthenia;Anhedonia;Irritability;Nausea;Brain Fog						
Serious Other Outcomes	Male	15-OCT-2018	28-DEC-2022	Direct		
39 YR	70.2 KG	Fda-Ctu	Not Specified	Not Specified	-	
-	28-DEC-2022	Not Specified	Not Specified	Not Specified	-	
-	-					
21793677	-	Herbals\Mitragynine	-	Seizure;Drug		
Dependence	Serious Died	Not Specified	05-FEB-2021	28-		
DEC-2022	Direct	Not Specified	Not Specified	Fda-Ctu	Not	
Specified	Not Specified	-	-	28-DEC-2022	Not	
Specified	Not Specified	-	-	-		
21773877	Mayzent Siponimod;Herbals\Mitragynine	Multiple				
Sclerosis	Overdose	Serious Hospitalized	Female	10-		
DEC-2022	22-DEC-2022	Direct	50 YR	Not Specified	Fda-	
Ctu	Not Specified	Not Specified	-	-	22-DEC-2022	
	Not Specified	Not Specified	-	-	-	
21767861	-	Herbals\Mitragynine	-	Toxicity To		
Various Agents	Serious Died	Male	20-OCT-2021	22-DEC-2022		
Direct	22 YR	90 KG	Fda-Ctu	Consumer	Not Specified	
-	-	22-DEC-2022	Not Specified	Not Specified	Not Specified	
-	-	-				
21767238	-	Herbals\Mitragynine	-	Drug		
Withdrawal Syndrome;Drug Dependence;Misleading Laboratory Test Result						
Non-Serious	Non-Serious	Male	-	22-DEC-2022		
Direct	39 YR	174 LB	Fda-Ctu	Healthcare Professional	Not	
Specified	-	-	22-DEC-2022	Not Specified	Not	

Specified	-	-	-	
21727524	-			
Fentanyl;Oxymorphone;Oxycodone;Herbals\Mitragynine	Drug Abuse	Serious Died;Other Outcomes	Male	-
14-DEC-2022	Non-Expedited	29 YR	Not Specified	
Alvogen Healthcare Professional	Not Specified	-	04-MAR-2022	
14-DEC-2022	US	Not Specified	US-ALVOGEN-2022087411	
"Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Bronstein AC, Rivers LJ, Pham NPT, Weber J. 2020 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 38th Annual Report. Clin Toxicol (Phila). 2021 Dec;59(12):1282-1501. doi: 10.1080/15563650.2021.1989785."				
21727491	-	Alprazolam;Fentanyl;Herbals\Mitragynine	Drug Abuse	-
14-DEC-2022	Non-Expedited	35 YR	Not Specified	
Alvogen Healthcare Professional	Not Specified	-	04-MAR-2022	
14-DEC-2022	US	Not Specified	US-ALVOGEN-2022086808	
"Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Bronstein AC, Rivers LJ, Pham NPT, Weber J. 2020 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 38th Annual Report. Clin Toxicol (Phila). 2021 Dec;59(12):1282-1501. doi: 10.1080/15563650.2021.1989785."				
21727084	-	Alcohol;Fentanyl;Herbals\Mitragynine	Drug Abuse	-
14-DEC-2022	Non-Expedited	36 YR	Not Specified	
Alvogen Healthcare Professional	Not Specified	-	04-MAR-2022	
14-DEC-2022	US	Not Specified	US-ALVOGEN-2022087530	
"Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Bronstein AC, Rivers LJ, Pham NPT, Weber J. 2020 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 38th Annual Report. Clin Toxicol (Phila). 2021 Dec;59(12):1282-1501. doi: 10.1080/15563650.2021.1989785."				
21726997	-	Clobazam;Fentanyl;Herbals\Mitragynine	Drug Abuse	-
14-DEC-2022	Non-Expedited	29 YR	Not Specified	
Alvogen Healthcare Professional	Not Specified	-	04-MAR-2022	
14-DEC-2022	US	Not Specified	US-ALVOGEN-2022087123	
"Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Bronstein AC, Rivers LJ, Pham NPT, Weber J. 2020 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 38th Annual Report. Clin Toxicol (Phila). 2021 Dec;59(12):1282-1501. doi: 10.1080/15563650.2021.1989785."				
21725394	-	Herbals\Mitragynine;Diazepam;Fentanyl	Drug Abuse	-
14-DEC-2022	Non-Expedited	31 YR	Not Specified	
Alvogen Healthcare Professional	Not Specified	-	04-MAR-2022	
14-DEC-2022	US	Not Specified	US-ALVOGEN-2022087459	
"Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Bronstein AC, Rivers LJ, Pham NPT, Weber J. 2020 Annual Report of the American Association of Poison Control Centers' National Poison Data System				

(NPDS): 38th Annual Report. Clin Toxicol (Phila). 2021  
Dec;59(12):1282-1501. doi: 10.1080/15563650.2021.1989785." -  
21725228 - Herbals\Mitragynine;Fentanyl;Methamphetamine  
Drug Abuse Drug Abuse Serious Other Outcomes;Died  
Male - 14-DEC-2022 Non-Expedited 24 YR Not  
Specified Alvogen Healthcare Professional Not Specified -  
04-MAR-2022 14-DEC-2022 US Not Specified US-  
ALVOGEN-2022086184 "Gummin DD, Mowry JB, Beuhler MC, Spyker DA,  
Bronstein AC, Rivers LJ, Pham NPT, Weber J. 2020 Annual Report of the  
American Association of Poison Control Centers' National Poison Data  
System (NPDS): 38th Annual Report. Clin Toxicol (Phila). 2021  
Dec;59(12):1282-1501. doi: 10.1080/15563650.2021.1989785." -  
21725014 -  
Methocarbamol;Herbals\Mitragynine;Fentanyl;Etizolam Drug Abuse  
Drug Abuse Serious Other Outcomes;Died Male -  
14-DEC-2022 Non-Expedited 35 YR Not Specified  
Alvogen Healthcare Professional Not Specified - 04-MAR-2022  
14-DEC-2022 US Not Specified US-ALVOGEN-2022087520  
"Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Bronstein AC,  
Rivers LJ, Pham NPT, Weber J. 2020 Annual Report of the American  
Association of Poison Control Centers' National Poison Data System  
(NPDS): 38th Annual Report. Clin Toxicol (Phila). 2021  
Dec;59(12):1282-1501. doi: 10.1080/15563650.2021.1989785." -  
21724976 - Herbals\Mitragynine;Fentanyl Drug Abuse  
Drug Abuse Serious Died;Other Outcomes Male -  
14-DEC-2022 Non-Expedited 31 YR Not Specified  
Alvogen Healthcare Professional Not Specified - 04-MAR-2022  
14-DEC-2022 US Not Specified US-ALVOGEN-2022087140  
"Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Bronstein AC,  
Rivers LJ, Pham NPT, Weber J. 2020 Annual Report of the American  
Association of Poison Control Centers' National Poison Data System  
(NPDS): 38th Annual Report. Clin Toxicol (Phila). 2021  
Dec;59(12):1282-1501. doi: 10.1080/15563650.2021.1989785." -  
21727879 - Herbals\Mitragynine - Product  
Information Content Complaint;Weight Decreased Non-Serious Non-  
Serious Not Specified - 13-DEC-2022 Direct Not Specified  
Not Specified Fda-Ctu Not Specified Not Specified -  
- 13-DEC-2022 Not Specified Not Specified -  
- -  
21722150 - Fentanyl;Herbals\Mitragynine Drug Abuse  
Drug Abuse Serious Other Outcomes;Died Male -  
13-DEC-2022 Non-Expedited 59 YR Not Specified  
Alvogen Healthcare Professional Not Specified - 04-MAR-2022  
13-DEC-2022 US Not Specified US-ALVOGEN-2022087308  
"Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Bronstein AC,  
Rivers LJ, Pham NPT, Weber J. 2020 Annual Report of the American  
Association of Poison Control Centers' National Poison Data System  
(NPDS): 38th Annual Report. Clin Toxicol (Phila). 2021  
Dec;59(12):1282-1501. doi: 10.1080/15563650.2021.1989785." -  
21722149 - Herbals\Mitragynine;Fentanyl Drug Abuse



Drug Abuse	Serious Other Outcomes;Died	Male	-
13-DEC-2022	Non-Expedited 50 YR	Not Specified	
Alvogen Healthcare Professional	Not Specified	-	04-MAR-2022
13-DEC-2022	US	Not Specified	US-ALVOGEN-2022087302
"Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Bronstein AC, Rivers LJ, Pham NPT, Weber J. 2020 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 38th Annual Report. Clin Toxicol (Phila). 2021 Dec;59(12):1282-1501. doi: 10.1080/15563650.2021.1989785."			
21722147	-	Fentanyl;Herbals\Mitragynine	Drug Abuse
Drug Abuse	Serious Other Outcomes;Died	Male	-
13-DEC-2022	Non-Expedited 22 YR	Not Specified	
Alvogen Healthcare Professional	Not Specified	-	04-MAR-2022
13-DEC-2022	US	Not Specified	US-ALVOGEN-2022087293
"Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Bronstein AC, Rivers LJ, Pham NPT, Weber J. 2020 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 38th Annual Report. Clin Toxicol (Phila). 2021 Dec;59(12):1282-1501. doi: 10.1080/15563650.2021.1989785."			
21722110	-	Herbals\Mitragynine;Acetaminophen\Oxycodone Hydrochloride;Alcohol;Fentanyl	Drug Abuse
Serious Hospitalized;Died	Male	-	13-DEC-2022
Non-Expedited	16 YR	Not Specified	Alvogen Healthcare
Professional	Not Specified	-	04-MAR-2022
US	Not Specified	US-ALVOGEN-2022087020	"Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Bronstein AC, Rivers LJ, Pham NPT, Weber J. 2020 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 38th Annual Report. Clin Toxicol (Phila). 2021 Dec;59(12):1282-1501. doi: 10.1080/15563650.2021.1989785."
21721919	-	Herbals\Mitragynine;Fentanyl	Drug Abuse
Drug Abuse	Serious Died;Other Outcomes	Male	-
13-DEC-2022	Non-Expedited 34 YR	Not Specified	
Alvogen Healthcare Professional	Not Specified	-	04-MAR-2022
13-DEC-2022	US	Not Specified	US-ALVOGEN-2022087221
"Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Bronstein AC, Rivers LJ, Pham NPT, Weber J. 2020 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 38th Annual Report. Clin Toxicol (Phila). 2021 Dec;59(12):1282-1501. doi: 10.1080/15563650.2021.1989785."			
21721876	-	Oxycodone;Herbals\Mitragynine;Fentanyl	Drug Abuse
Drug Abuse	Serious Died;Other Outcomes	Male	-
13-DEC-2022	Non-Expedited 46 YR	Not Specified	
Alvogen Healthcare Professional	Not Specified	-	04-MAR-2022
13-DEC-2022	US	Not Specified	US-ALVOGEN-2022087651
"Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Bronstein AC, Rivers LJ, Pham NPT, Weber J. 2020 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 38th Annual Report. Clin Toxicol (Phila). 2021 Dec;59(12):1282-1501. doi: 10.1080/15563650.2021.1989785."			

21721743	-	Fentanyl;Herbals\Mitragynine	Drug Abuse
	Drug Abuse	Serious Died;Other Outcomes	Male -
	13-DEC-2022	Non-Expedited 26 YR	Not Specified
Alvogen Healthcare Professional	Not Specified	-	04-MAR-2022
	13-DEC-2022	US	Not Specified US-ALVOGEN-2022087367
"Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Bronstein AC, Rivers LJ, Pham NPT, Weber J. 2020 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 38th Annual Report. Clin Toxicol (Phila). 2021 Dec;59(12):1282-1501. doi: 10.1080/15563650.2021.1989785."			
21686144	-	Invega;Invega Sustenna;Haldol	
	Haloperidol;Paliperidone Palmitate;Herbals\Mitragynine;Paliperidone	Product Used For Unknown Indication;Schizoaffective Disorder	
	Schizoaffective Disorder;Product Dose Omission Issue;Drug	Ineffective	Serious Hospitalized Female 26-NOV-2022 13-DEC-2022
	Non-Expedited 34 YR	Not Specified	Johnson And
Johnson Consumer	Not Specified	-	08-DEC-2022 06-DEC-2022
	US	Not Specified	US-JNJFOC-20221160650 -
21699300	-	Herbals\Mitragynine	- Drug
	Abuser;Generalised Tonic-Clonic Seizure;Vomiting;Dependence;Weight Decreased	Serious Required Intervention;Life Threatening	Male
	26-SEP-2022	07-DEC-2022	Direct 25 YR 60.75 KG
	Fda-Ctu Consumer	Not Specified	Lamictal;Prozac -
	07-DEC-2022	Not Specified	Not Specified -
21682039	-	Herbals\Mitragynine	- Drug
	Dependence;Withdrawal Syndrome	Serious Required Intervention;Other Outcomes	Male 05-NOV-2022 03-DEC-2022
	Specified	Not Specified	Fda-Ctu Consumer
	-	03-DEC-2022	Not Specified
	-	-	-
21580186	-	Herbals\Mitragynine;Clonidine;Naltrexone;Ondansetron	Alcohol
	Abuse;Drug Withdrawal Syndrome;Product Used For Unknown	Indication	
	Drug Ineffective;Drug Withdrawal Syndrome	Serious	
	Hospitalized Male -	01-DEC-2022	Expedited 46 YR
	Not Specified	Teva	Healthcare Professional Not Specified
	Duloxetine	21-NOV-2022	10-NOV-2022 US
	Specified	US-TEVA-2022-US-2823519	-
21656492	-	Herbals\Mitragynine	Substance Use Death
	Serious Died	Female 26-NOV-2022	28-NOV-2022
	40 YR	Not Specified	Fda-Ctu Consumer
			Not Specified
	Risperidone;Herbals\Mitragynine;Cephalexin;Benadryl;Famotidine;Melatonin;Atorvastatin	-	28-NOV-2022 Not Specified Not Specified
21210049	-	Buspirone;Trazodone	Trazodone
	Hydrochloride;Herbals\Mitragynine;Desvenlafaxine;Buspirone		
	Hydrochloride;Ziprasidone	Product Used For Unknown Indication	

Drug Interaction;Serotonin Syndrome;Self-Medication  
 Serious Hospitalized;Other Outcomes Male - 23-NOV-2022  
 Expedited 63 YR 102 KG Dr Reddys Healthcare  
 Professional Not Specified  
 Gabapentin;Metformin;Omeprazole;Hydrochlorothiazide;Tizanidine  
 Hydrochloride;Amlodipine;Diclofenac;Bupropion;Glimepiride 11-  
 NOV-2022 14-AUG-2022 US Not Specified US-drreddys-  
 SP0/USA/22/0153193 "Hamilton L, Eudaley S, Brooks S. Case Report:  
 Possible Serotonin Syndrome in a Patient Taking Kratom and Multiple  
 Serotonergic Agents. J Pharm Pract. 2022;UNKNOWN:1-5.  
 doi:10.1177/08971900221116009" -  
 17874207 Trazodone;Buspirone Buspirone  
 Hydrochloride;Bupropion Hydrochloride;Trazodone  
 Hydrochloride;Desvenlafaxine;Herbals\Mitragynine;Ziprasidone  
 Hydrochloride Depression;Hypertension;Product Used For Unknown  
 Indication;Type 2 Diabetes Mellitus Serotonin Syndrome;Drug  
 Interaction Serious Other Outcomes;Hospitalized Male -  
 23-NOV-2022 Expedited 63 YR 102.5 KG Lupin  
 Healthcare Professional Not Specified  
 Gabapentin;Diclofenac;Hydrochlorothiazide;Amlodipine;Omeprazole;Tizani  
 dine;Metformin;Glimepiride 11-NOV-2022 09-JUN-2020 US  
 Not Specified US-LUPIN PHARMACEUTICALS INC.-2020-02668  
 "Eudaley ST, Hamilton LA. Case report: Successful treatment of  
 suspected kratom induced serotonin syndrome. Journal of the American  
 College of Clinical Pharmacy. 2020;3:347" -  
 21628069 - Herbals\Mitragynine Phytotherapy  
 Somnolence;Heart Rate Increased Non-Serious Non-Serious Female  
 06-NOV-2022 21-NOV-2022 Direct 36 YR Not Specified  
 Fda-Ctu Consumer Not Specified Fish  
 Oil;Vitamins;Arginine;Flax Seed;Theanine;Valerian - 21-  
 NOV-2022 Not Specified Y - - -  
 21621626 - Herbals\Mitragynine - Mental  
 Disorder;Quality Of Life Decreased;Agitation;General Physical  
 Condition Abnormal Serious Other Outcomes Female 14-AUG-2021  
 20-NOV-2022 Direct 31 YR 56.25 KG Fda-Ctu  
 Consumer Not Specified - - 20-NOV-2022 Not  
 Specified Not Specified - - -  
 21614648 -  
 Buprenorphine\Naloxone;Herbals\Mitragynine;Buprenorphine Drug  
 Use Disorder Abdominal Pain;Drug Withdrawal Syndrome  
 Neonatal;Breast Milk Substitute Intolerance;Foetal Exposure During  
 Pregnancy Serious Other Outcomes Female - 18-NOV-2022  
 Expedited Not Specified Not Specified Ranbaxy  
 Healthcare Professional Not Specified - 05-NOV-2022 18-  
 NOV-2022 US Not Specified US-SUN PHARMACEUTICAL  
 INDUSTRIES LTD-2022R1-364362 "Zoucha K, Moore C. Kratom Use in  
 Pregnancy. J Addict Med. 2022;Sep-Oct;16(5):e331-e332" -  
 21614527 Methadone Methadone  
 Hydrochloride;Buprenorphine\Naloxone;Herbals\Mitragynine Drug  
 Use Disorder Drug Withdrawal Syndrome;Exposure During

Pregnancy;Drug Ineffective;Live Birth	Serious Other Outcomes	Female
- 18-NOV-2022 Expedited 34 YR	Not Specified	
Ranbaxy Healthcare Professional	Not Specified	- 05-
NOV-2022 18-NOV-2022 US	Not Specified	US-SUN
PHARMACEUTICAL INDUSTRIES LTD-2022R1-364356	"Zoucha K, Moore C. Kratom Use in Pregnancy. J Addict Med. 2022;16(5):e331-e332"	-
21553105 Methadone	Methadone Hydrochloride;Buprenorphine Hydrochloride\Naloxone Hydrochloride;Herbals\Mitragynine	Drug
Withdrawal Syndrome	Maternal Exposure During Pregnancy;Drug	
Ineffective	Serious Other Outcomes	Female - 04-NOV-2022
Expedited 34 YR	Not Specified	Mylan Healthcare
Professional	Not Specified	- 26-OCT-2022 04-NOV-2022
US	Not Specified	US-
MYLANLABS-2022M1119984	"Zoucha K, Moore C. Kratom Use in Pregnancy. J-Addict-Med 2022;16(5):e331-e332."	-
21548749	- Herbals\Mitragynine;Buprenorphine Hydrochloride\Naloxone Hydrochloride;Buprenorphine	Drug
Withdrawal Syndrome	Maternal Exposure During Pregnancy;Drug	
Ineffective	Serious Other Outcomes	Female - 03-NOV-2022
Expedited 27 YR	Not Specified	Mylan Healthcare
Professional	Not Specified	- 26-OCT-2022 03-NOV-2022
US	Not Specified	US-
MYLANLABS-2022M1119985	"Zoucha K, Moore C. Kratom Use in Pregnancy. J-Addict-Med 2022;16(5):e331-e332."	-
21530232	- Herbals\Mitragynine	Anxiety Drug
Dependence;Withdrawal Syndrome	Serious Required Intervention	Male
11-SEP-2022 28-OCT-2022	Direct Not Specified	Not
Specified	Fda-Ctu Consumer	Not Specified - -
28-OCT-2022	Not Specified	Not Specified - -
-		
21515536	Venlafaxine Venlafaxine	
Hydrochloride;Quetiapine;Herbals\Mitragynine	Product Used For	
Unknown Indication	Serotonin Syndrome;Drug	
Interaction;Electrocardiogram Qt Prolonged	Serious Other Outcomes	
Male 2022 27-OCT-2022	Expedited 36 YR	Not
Specified	Osmotica Healthcare Professional	Not Specified
- 18-OCT-2022 27-OCT-2022	US	Not Specified
US-Osmotica_Pharmaceutical_US_LLC-P0I0573202200110	Burns	
A. A Case of Potential Pharmacokinetic Kratom-drug Interactions Resulting in Toxicity and Subsequent Treatment of Kratom Use Disorder With Buprenorphine Naloxone. Journal of Addiction Medicine. 2022 SEP;16(5):606-609.		
21515323	- Herbals\Mitragynine	- Night
Sweats;Dyspnoea;Fatigue;Decreased Appetite;Tremor;Vomiting		
Serious Other Outcomes	Female - 27-OCT-2022	Direct Not
Specified	Not Specified Fda-Ctu Consumer	Not Specified
-	- 27-OCT-2022	Not Specified
-	-	-
21500652	"Dextroamphetamine Saccharate, Amphetamine Aspartate, Dextroamphetamine Sulfate And Amphetamine Sulfate"	Amphetamine

Aspartate\Amphetamine Sulfate\Dextroamphetamine  
 Saccharate\Dextroamphetamine Sulfate;Herbals\Mitragynine  
 Product Used For Unknown Indication Metabolic  
 Acidosis;Overdose;Hypotension;Substance Use;Syncope;Cardiac  
 Arrest;Brain Oedema;Brain Death Serious Died;Other Outcomes Female  
 - 25-OCT-2022 Expedited 38 YR Not Specified  
 Specgx Healthcare Professional Not Specified - 11-  
 OCT-2022 25-OCT-2022 US Not Specified US-SPECGX-  
 T202202178 "Theegala V, Solanki KK, Grover BS. Cardiac arrest in  
 a middle-aged woman from combined use of kratom and amphetamine.  
 Chest. 2022;162(4):A776" -  
 21497197 Sertraline;Alcohol (Alcohol) Alcohol;Gabapentin  
 Enacarbil;Atenolol;Sertraline  
 Hydrochloride;Herbals\Mitragynine;Amphetamine Sulfate Product Used  
 For Unknown Indication Cardio-Respiratory Arrest;Toxicity To Various  
 Agents;Completed Suicide Serious Died Male 2020 23-  
 OCT-2022 Expedited 29 YR Not Specified Arbor  
 Healthcare Professional Not Specified - 10-OCT-2022 23-  
 OCT-2022 US Not Specified "US-ARBOR PHARMACEUTICALS,  
 LLC-US-2022ARB002515" "Gummin DD, Mowry JB, Beuhler MC, Spyker DA,  
 Brinstein AC, Rivers LJ, et al.. 2020 Annual Report of the American  
 Association of Poison Control Centers' National Poison Data System  
 (NPDS): 38th Annual Report. Clinical Toxicology.  
 2021;59(12):1282-1501" -  
 21494480 Lybalvi Olanzapine\Samidorphan L-  
 Malate;Herbals\Mitragynine Bipolar I Disorder;Product Used For  
 Unknown Indication Withdrawal Syndrome;Diarrhoea Non-Serious  
 Non-Serious Female - 21-OCT-2022 Non-Expedited  
 4 DEC Not Specified Alkermes Healthcare  
 Professional Not Specified Olanzapine 11-OCT-2022 21-  
 OCT-2022 US Not Specified US-ALKERMES INC.-  
 ALK-2022-004981 - -  
 21493929 - Amphetamine Sulfate;Herbals\Mitragynine  
 Product Used For Unknown Indication Cardiac Arrest;Overdose  
 Serious Life Threatening;Hospitalized Female - 21-OCT-2022  
 Expedited 38 YR Not Specified Arbor Healthcare  
 Professional Not Specified - 13-OCT-2022 21-OCT-2022  
 US Not Specified "US-ARBOR PHARMACEUTICALS, LLC-  
 US-2022ARB002672" "Theegala V., K Solanki K., S Grover B..  
 Cardiac arrest in a middle-aged woman from combined use of kratom and  
 amphetamine. Chest. 2022;162:4" -  
 21484966 - Gabapentin  
 Enacarbil;Oxycodone;Herbals\Mitragynine Product Used For Unknown  
 Indication Drug Abuse;Toxicity To Various Agents Serious Died  
 Female 2020 20-OCT-2022 Expedited 47 YR Not  
 Specified Arbor Healthcare Professional Not Specified -  
 10-OCT-2022 20-OCT-2022 US Not Specified "US-  
 ARBOR PHARMACEUTICALS, LLC-US-2022ARB002347" "Gummin DD, Mowry JB,  
 Beuhler MC, Spyker DA, Brinstein AC, Rivers LJ, et al.. 2020 Annual  
 Report of the American Association of Poison Control Centers' National

Poison Data System (NPDS): 38th Annual Report. Clinical toxicology.

2021;59(12):1282-1501" -

21484910 -

Fentanyl;Morphine;Etizolam;Herbals\Mitragynine;Methamphetamine;Gabapentin Enacarbil Product Used For Unknown Indication Toxicity To

Various Agents;Drug Abuse Serious Died Female 2020 20-

OCT-2022 Expedited 32 YR Not Specified Arbor

Healthcare Professional Not Specified - 10-OCT-2022 20-

OCT-2022 US Not Specified "US-ARBOR PHARMACEUTICALS,

LLC-US-2022ARB002327" "Gummin DD, Mowry JB, Beuhler MC, Spyker DA,

Brinstein AC, Rivers LJ, et al.. 2020 Annual Report of the American

Association of Poison Control Centers' National Poison Data System

(NPDS): 38th Annual Report. Clinical toxicology.

2021;59(12):1282-1501" -

21159410 Buspirone;Trazodone Trazodone

Hydrochloride;Ziprasidone;Buspirone

Hydrochloride;Herbals\Mitragynine;Bupropion;Desvenlafaxine

Anxiety Disorder;Major Depression;Product Used For Unknown Indication

Serotonin Syndrome;Drug Interaction Serious Other

Outcomes;Hospitalized Male 2018 20-OCT-2022 Expedited

63 YR Not Specified Cipla Healthcare Professional Not

Specified

Diclofenac;Omeprazole;Metformin;Amlodipine;Hydrochlorothiazide;Gabapentin;Glimepiride;Tizanidine 10-OCT-2022 02-AUG-2022 US

Not Specified US-CIPLA LTD.-2022US04708 "Eudaley ST,

Hamilton LA, Brooks SP. Case Report: Possible Serotonin Syndrome in a

Patient Taking Kratom and Multiple Serotonergic Agents. Journal of

Pharmacy Practice. 2022;1 to 5" -

21459528 - Herbals\Mitragynine Anxiety

Dependence;Seizure Serious Other Outcomes Male 25-FEB-2022

14-OCT-2022 Direct 29 YR 60.75 KG Fda-Ctu

Consumer Not Specified Zonisamide;Lamotrigine - 14-

OCT-2022 Not Specified Not Specified - -

21450754 - Herbals\Mitragynine Product Used For

Unknown Indication Drug Abuse Serious Other

Outcomes;Required Intervention;Hospitalized Male 06-OCT-2022

12-OCT-2022 Direct 35 YR Not Specified Fda-Ctu

Consumer Not Specified - - 12-OCT-2022 Not

Specified Not Specified - - -

21184754 Trazodone;Buspirone Ziprasidone;Buspirone

Hydrochloride;Trazodone Hydrochloride;Desvenlafaxine;Bupropion

Hydrochloride;Herbals\Mitragynine Anxiety;Depression

Tremor;Confusional State;Blood Creatine Phosphokinase

Increased;Hyperthermia;Blood Lactic Acid Increased;Hyperreflexia;Drug

Interaction;Dysarthria;Aphasia;Flushing;Clonus;Hyperhidrosis;Serotonin

Syndrome;Facial Paralysis Serious Other Outcomes;Hospitalized

Not Specified - 12-OCT-2022 Expedited Not

Specified Not Specified Alembic Healthcare Professional Not

Specified - 28-SEP-2022 08-AUG-2022 US Not

Specified US-ALEMBIC PHARMACEUTICALS LIMITED-2022SCAL000361

"Eudaley S, Brooks S, Hamilton L.. Case Report: Possible Serotonin Syndrome in a Patient Taking Kratom and Multiple Serotonergic Agents. Journal of Pharmacy Practice. 2022" - 21258987

Lybalvi Olanzapine\Samidorphane L-Malate;Herbals\Mitragynine Bipolar Disorder;Product Used For Unknown Indication;Restless Legs Syndrome;Sleep Disorder Dystonia Non-Serious Non-Serious Male 11-AUG-2022

10-OCT-2022 Non-Expedited Not Specified Not Specified Alkermes Healthcare Professional Not Specified

Zyprexa 26-SEP-2022 26-AUG-2022 US Not Specified US-ALKERMES INC.-ALK-2022-004120 - -

21422042 - Herbals\Mitragynine - Death Serious Died Male 15-MAY-2022 06-OCT-2022 Direct 32 YR 103.5 KG Fda-Ctu Consumer Not Specified -

- 06-OCT-2022 Not Specified Not Specified -

-

21416543 - Herbals\Mitragynine Pain Nervousness;Drug Withdrawal Syndrome;Restlessness;Dependence Non-Serious Non-Serious Female 30-SEP-2021 05-OCT-2022 Direct 57 YR 54 KG Fda-Ctu Consumer Not Specified

Vitamin D2;Whey;Gabapentin;Lipitor;Cannabidiol\Herbals;Cannabis Sativa Subsp. Indica Top;Magnesium;Ativan;Duloxetine - 05-OCT-2022

Not Specified Not Specified - -

21407552 - Herbals\Mitragynine - Withdrawal Syndrome Serious Required Intervention Male 10-SEP-2022

04-OCT-2022 Direct 40 YR 99 KG Fda-Ctu Not Specified

Not Specified - - 04-OCT-2022 Not Specified

Not Specified - - -

21407421 - Herbals\Mitragynine - Ear Infection;Aortic Valve Disease;Seizure;Pulmonary Oedema;Vertigo;Coronary Artery Stenosis;Toxicity To Various Agents;Substance Abuse;Tympanic Membrane Perforation Serious Died

Male - 04-OCT-2022 Direct 27 YR Not Specified

Fda-Ctu Healthcare Professional Not Specified - -

04-OCT-2022 Not Specified Not Specified - -

-

21327833 - Herbals\Mitragynine Anxiety;Depression Dependence;Vomiting;Pain;Withdrawal Syndrome;Loss Of Personal Independence In Daily Activities;Palpitations;Skin Burning Sensation;Cold Sweat;Tremor;Appetite Disorder;Weight Decreased Serious Other Outcomes Female 01-JAN-2018 12-SEP-2022 Direct 36 YR 63 KG Fda-Ctu Consumer Not Specified

Vitamin B12;Magnesium;Vitamin D3 - 12-SEP-2022 Not Specified Y - - -

17926244 Buspirone;Trazodone Trazodone Hydrochloride;Desvenlafaxine;Herbals\Mitragynine;Ziprasidone;Buspirone Hydrochloride;Bupropion Depression Drug Interaction;Serotonin Syndrome Serious Hospitalized;Other Outcomes Male -

07-SEP-2022 Expedited 63 YR Not Specified Micro Labs Healthcare Professional Not Specified

Omeprazole;Metformin;Amlodipine;Tizanidine;Diclofenac Sodium	26-
AUG-2022	23-JUN-2020
US	Not Specified
US-MICRO LABS	
LIMITED-ML2020-01798	-
21255402	-
Tramadol;Herbals\Mitragynine	Pain
Toxicity To Various Agents;Cognitive Disorder;Electrocardiogram Qt	
Prolonged;Seizure;Overdose;Drug Interaction;Hypokalaemia	
Serious Hospitalized	Male
-	06-SEP-2022
Expedited	
3 DEC	Not Specified
Teva	Healthcare Professional
Not Specified	-
01-SEP-2022	25-AUG-2022
US	Not
Specified	US-TEVA-2022-US-2066531
-	-
17913888	Buspirone;Trazodone
Trazodone	
Hydrochloride;Herbals\Mitragynine;Ziprasidone;Bupropion;Desvenlafaxine	
;Buspirone Hydrochloride	Depression
Serotonin	
Syndrome;Drug Interaction	Serious Hospitalized
Male	-
06-SEP-2022	Expedited
63 YR	Not Specified
Teva	
Healthcare Professional	Not Specified
-	01-SEP-2022
18-JUN-2020	US
Not Specified	US-TEVA-2020-
US-1510324	-
21296835	-
Herbals\Mitragynine	Analgesic Therapy
Legal Problem;Imprisonment;Drug Dependence	Serious Other
Outcomes	Male
15-JUN-2019	03-SEP-2022
Direct	33 YR
76.5 KG	Fda-Ctu Consumer
Not Specified	Suboxone
-	03-SEP-2022
Not Specified	Not Specified
-	-
21296794	-
Herbals\Mitragynine	Dependence
Delusional Perception;Drug Dependence;Drug Abuse	Serious Other
Outcomes	Male
25-AUG-2022	03-SEP-2022
Direct	41 YR
85.5 KG	Fda-Ctu Consumer
Not Specified	-
-	-
03-SEP-2022	Not Specified
Not Specified	-
-	-
21263276	-
Morphine;Herbals\Mitragynine;Acetaminophen\Hydrocodone	Pain;Product
Used For Unknown Indication	Flank Pain;Nausea;Acute Kidney
Injury;Vomiting	Serious Hospitalized;Other Outcomes
Female	-
02-SEP-2022	Expedited
21 YR	Not Specified
Vistapharm	Healthcare Professional
Not Specified	Percocet
22-AUG-2022	29-AUG-2022
Not Specified	Not Specified
"US-VistaPharm, Inc.-VER202208-000709"	-
-	-
21278982	-
Herbals\Mitragynine;Tramadol Hydrochloride	
Pain	Hypokalaemia;Cognitive Disorder;Drug
Interaction;Generalised Tonic-Clonic Seizure;Electrocardiogram Qt	
Prolonged;Toxicity To Various Agents	Serious Hospitalized;Other
Outcomes	Male
-	01-SEP-2022
Expedited	Not
Specified	Not Specified
Aci Healthcare	Healthcare
Professional	Not Specified
-	19-AUG-2022
01-SEP-2022	
US	Not Specified
US-ACI HealthCare Limited-2132444	
"Beresford T, Keffler C, Wasserstein M, Ronan P. (P0-152)	
Kratom Tramadol Toxicity With Seizure, Hypokalemia, Marked Q-T	
Prolongation, and Cognitive Impairment: A Case Report. Journal of the	
Academy of Consultation-Liaison Psychiatry 63 (Suppl.): S69-S70 abstr.	



PO-152, May 2022. URL: <http://doi.org/10.1016/j.jaclp.2022.03.145>"

21255634 - Morphine  
Sulfate;Hydrocodone;Herbals\Mitragynine Headache  
Proteinuria;Acute Kidney Injury Serious Hospitalized;Other Outcomes  
Female - 25-AUG-2022 Expedited 21 YR Not  
Specified Pfizer Healthcare Professional Not Specified -  
15-AUG-2022 25-AUG-2022 US Not Specified US-  
PFIZER INC-PV202200043672 "LeSaint, K.. Acute Renal  
Insufficiency Associated With Consumption of Hydrocodone- and  
Morphine-Adulterated Kratom (Mitragyna Speciosa). Journal of Emergency  
Medicine. 2022;10.1016/j.jemermed.2022.02.004" -  
21252250 - Herbals\Mitragynine;Tramadol Pain  
Electrocardiogram Qt Prolonged;Seizure;Cognitive Disorder;Drug  
Interaction;Hypokalaemia Serious Other Outcomes Not Specified  
- 25-AUG-2022 Expedited Not Specified Not  
Specified Zydus Pharm Healthcare Professional Not Specified  
- 12-AUG-2022 25-AUG-2022 US Not Specified  
US-CADILA HEALTHCARE LIMITED-US-ZYDUS-081624 "Beresford T,  
Keffler C, Wasserstein M, Ronan P. (PO-152) Kratom Tramadol Toxicity  
With Seizure, Hypokalemia, Marked Q-T Prolongation, and Cognitive  
Impairment: A Case Report. J-Acad-Consult-Liaison-Psychiatry. 2022;63  
(Suppl.:S69-S70 abstr. PO-152" -  
17921208 Buspirone;Trazodone Trazodone  
Hydrochloride;Desvenlafaxine;Buspirone Hydrochloride;Ziprasidone  
Hydrochloride;Herbals\Mitragynine;Bupropion Depression;Product  
Used For Unknown Indication Drug Interaction;Serotonin Syndrome  
Serious Other Outcomes Not Specified - 24-AUG-2022  
Expedited Not Specified Not Specified Zydus Pharm  
Healthcare Professional Not Specified - 12-AUG-2022  
22-JUN-2020 US Not Specified US-CADILA HEALTHCARE  
LIMITED-US-ZYDUS-052052 "Eudaley ST, Hamilton LA. Case report:  
Successful treatment of suspected kratominduced serotonin syndrome. J-  
Am-Coll-Clin-Pharm. 2020;3(1)347:450" -  
21205413 Buspirone;Trazodone Trazodone  
Hydrochloride;Desvenlafaxine;Buspirone  
Hydrochloride;Ziprasidone;Herbals\Mitragynine Product Used For  
Unknown Indication Self-Medication;Drug Interaction;Serotonin  
Syndrome Serious Other Outcomes;Hospitalized Not Specified  
- 20-AUG-2022 Expedited Not Specified Not  
Specified Macleods Healthcare Professional Not Specified  
  
Amlodipine;Tizanidine;Metformin;Gabapentin;Omeprazole;Bupropion;Diclof  
enac;Glimepiride;Hydrochlorothiazide 09-AUG-2022 12-AUG-2022  
US Not Specified US-MACLEODS PHARMACEUTICALS US LTD-  
MAC2022036805 "Eudaley ST, Brooks SP, Hamilton LA.. Case Report:  
Possible Serotonin Syndrome in a Patient Taking Kratom and Multiple  
Serotonergic Agents. Journal of pharmacy practice. 2022;1-5" -  
21225453 - Herbals\Mitragynine;Tramadol Pain  
Hypokalaemia;Cognitive Disorder;Toxicity To Various

Agents;Electrocardiogram Qt Prolonged;Generalised Tonic-Clonic Seizure  
 Serious Hospitalized;Other Outcomes Male - 18-  
 AUG-2022 Expedited 3 DEC Not Specified Ranbaxy  
 Healthcare Professional Not Specified - 03-AUG-2022 18-  
 AUG-2022 US Not Specified US-SUN PHARMACEUTICAL  
 INDUSTRIES LTD-2022R1-348953 "Beresford T, Keffler C, Wasserstein  
 M, Ronan P. Kratom Tramadol Toxicity With Seizure, Hypokalemia, Marked  
 Q-T Prolongation, and Cognitive Impairment: A Case Report. J Acad  
 Consult Liaison Psychiatry. 2022;63 (Suppl.):S69-70(Abstract  
 ID:P0-152)" -  
 21223322 - Tramadol;Herbals\Mitragynine Pain Mood  
 Swings;Electrocardiogram Qt Prolonged;Delirium;Toxicity To Various  
 Agents;Fall;Drug Interaction;Generalised Tonic-Clonic Seizure;Loss Of  
 Consciousness;Cognitive Disorder;Hypokalaemia Serious Other  
 Outcomes;Hospitalized Not Specified - 17-AUG-2022  
 Expedited Not Specified Not Specified Macleods  
 Healthcare Professional Not Specified - 05-AUG-2022 17-  
 AUG-2022 US Not Specified US-MACLEODS PHARMACEUTICALS US  
 LTD-MAC2022036828 "Beresford T, Keffler C, Wasserstein M, Ronan  
 P. (P0-152) Kratom Tramadol Toxicity With Seizure, Hypokalemia, Marked  
 Q-T Prolongation, and Cognitive Impairment: A Case Report. Journal of  
 the Academy of Consultation-Liaison Psychiatry. 2022;63:S69-70" -  
 21219739 - Herbals\Mitragynine;Tramadol Hydrochloride  
 Pain Loss Of Consciousness;Fall;Drug  
 Interaction;Hypokalaemia;Toxicity To Various Agents;Electrocardiogram  
 Qt Prolonged;Generalised Tonic-Clonic Seizure;Affect  
 Lability;Cognitive Disorder;Delirium Serious Hospitalized;Other  
 Outcomes Not Specified - 17-AUG-2022 Expedited  
 Not Specified Not Specified Ipca Healthcare  
 Professional Not Specified - 05-AUG-2022 17-AUG-2022  
 US Not Specified US-IPCA LABORATORIES LIMITED-IPC-2022-  
 US-001081 "Thomas Beresford, Carrie Keffler, Mitzi Wasserstein,  
 et.al. Kratom tramadol toxicity with seizure, hypokalemia, marked Q-T  
 prolongation, and cognitive impairment: A case report. Journal of the  
 Academy of Consultation-Liaison Psychiatry. 2022;63:S69-S70" -  
 21219728 - Tramadol;Herbals\Mitragynine Pain Loss  
 Of Consciousness;Toxicity To Various Agents;Delirium;Hypokalaemia;Mood  
 Swings;Fall;Cognitive Disorder;Generalised Tonic-Clonic  
 Seizure;Electrocardiogram Qt Prolonged;Drug Interaction Serious Other  
 Outcomes;Hospitalized Male - 17-AUG-2022 Expedited  
 3 DEC Not Specified Aurobindo Healthcare  
 Professional Not Specified - 05-AUG-2022 17-AUG-2022  
 US Not Specified US-AUROBINDO-AUR-APL-2022-032197  
 "Beresford T, Keffler C, Wasserstein M, Ronan P.. (P0-152)  
 Kratom Tramadol Toxicity With Seizure, Hypokalemia, Marked Q-T  
 Prolongation, and Cognitive Impairment: A Case Report.. Journal of the  
 Academy of Consultation-Liaison Psychiatry. 2022;63Supplement:S69-70"  
 -  
 17893646 Trazodone;Buspirone Buspirone  
 Hydrochloride;Ziprasidone;Trazodone

Hydrochloride;Herbals\Mitragynine;Bupropion;Desvenlafaxine  
Anxiety;Depression;Phytotherapy;Product Used For Unknown Indication  
Serotonin Syndrome;Herbal Interaction Serious Other  
Outcomes;Hospitalized Male 11-APR-2018 17-AUG-2022  
Expedited 63 YR 102.5 KG Apotex Healthcare  
Professional Not Specified  
Tizanidine;Amlodipine;Omeprazole;Hydrochlorothiazide;Gabapentin;Metformin;Diclofenac;Glimepiride 05-AUG-2022 15-JUN-2020 US  
Not Specified US-APOTEX-2020AP012002 "Eudaley ST, Hamilton  
LA. Case report: Successful treatment of suspected kratom-induced  
serotonin syndrome.. JACCP Journal of the American College of Clinical  
Pharmacy. 2020;3 (1):347" -  
21216260 Buspirone;Trazodone Trazodone  
Hydrochloride;Desvenlafaxine;Buspirone  
Hydrochloride;Ziprasidone;Herbals\Mitragynine Product Used For  
Unknown Indication Drug Interaction;Serotonin Syndrome  
Serious Hospitalized;Other Outcomes Male - 16-AUG-2022  
Expedited 63 YR 102 KG Hikma Healthcare  
Professional Not Specified  
Tizanidine;Glimepiride;Metformin;Hydrochlorothiazide;Omeprazole;Diclofenac;Bupropion;Amlodipine;Gabapentin 03-AUG-2022 16-AUG-2022  
Not Specified Not Specified US-Hikma Pharmaceuticals USA  
Inc.-US-H14001-22-58394 - -  
21214315 - Tramadol Hydrochloride;Herbals\Mitragynine  
Pain Mood Swings;Hypokalaemia;Drug  
Interaction;Electrocardiogram Qt Prolonged;Cognitive  
Disorder;Delirium;Loss Of Consciousness;Fall;Generalised Tonic-Clonic  
Seizure;Toxicity To Various Agents Serious Hospitalized;Other  
Outcomes Male - 16-AUG-2022 Expedited 3 DEC  
Not Specified Lupin Healthcare Professional Not Specified  
- 03-AUG-2022 16-AUG-2022 US Not Specified  
US-LUPIN PHARMACEUTICALS INC.-2022-10203 "Beresford T,  
Keffler C, Wasserstein M, Ronan P. Kratom Tramadol toxicity with  
seizure, hypokalemia, marked q-t prolongation, and cognitive  
impairment: A case report. Journal of the Academy of Consultation-  
Liaison Psychiatry. 2022;63:S69-S70" -  
21213865 - Tramadol;Herbals\Mitragynine Pain  
Generalised Tonic-Clonic Seizure;Hypokalaemia;Electrocardiogram Qt  
Prolonged;Toxicity To Various Agents;Cognitive Disorder Serious Other  
Outcomes;Hospitalized Male - 16-AUG-2022 Expedited  
Not Specified Not Specified Apotex Healthcare  
Professional Not Specified - 03-AUG-2022 16-AUG-2022  
US Not Specified US-APOTEX-2022AP010924 "Beresford T,  
Keffler C, Wasserstein M, Ronan P.. (P0-152) Kratom Tramadol Toxicity  
With Seizure, Hypokalemia, Marked Q-T Prolongation, and Cognitive  
Impairment: A Case Report.. Journal of the Academy of Consultation-  
Liaison Psychiatry. 2022;63:S69-S70" -  
17872686 Buspirone;Trazodone Trazodone  
Hydrochloride;Desvenlafaxine;Ziprasidone;Buspirone  
Hydrochloride;Herbals\Mitragynine;Bupropion Bacteraemia;Major

Depression;Product Used For Unknown Indication Drug  
 Interaction;Serotonin Syndrome;Product Use In Unapproved Indication  
 Serious Other Outcomes;Hospitalized Male 04-NOV-2018  
 15-AUG-2022 Expedited 63 YR 102.5 KG  
 Novartis Healthcare Professional Not Specified  
 Metformin;Gabapentin;Glimepiride;Omeprazole;Piperacillin And  
 Tazobactam;Tizanidine;Vancomycin;Ampicillin;Hydrochlorothiazide;Amlodi  
 pine;Cefepime;Diclofenac 09-AUG-2022 08-JUN-2020 US  
 Not Specified NVSC2020US158992 "Eudaley ST, Hamilton  
 LA. Case report: Successful treatment of suspected kratom-induced  
 serotonin syndrome. JOURNAL OF AMERICAN COLLEGE OF CLINICAL PHARMACY.  
 2020;3(1):347" -  
 17883627 Buspirone;Trazodone Trazodone  
 Hydrochloride;Herbals\Mitragynine;Buspirone  
 Hydrochloride;Desvenlafaxine;Bupropion;Ziprasidone Depression  
 Drug Interaction;Serotonin Syndrome Serious  
 Hospitalized;Other Outcomes Male - 14-AUG-2022  
 Expedited 63 YR Not Specified Dr Reddys Healthcare  
 Professional Not Specified - 05-AUG-2022 11-JUN-2020  
 US Not Specified US-drreddys-USA/USA/  
 20/0123997 "Eudaley S, Hamilton L. Case report: Successful  
 treatment of suspected kratominduced serotonin syndrome. JACCP Journal  
 of the American College of Clinical Pharmacy. 2020;3(1):347-347.  
 doi:10.1002/jac5.1204" -  
 21203414 - Herbals\Mitragynine;Tramadol Pain Drug  
 Interaction;Overdose;Cognitive Disorder;Generalised Tonic-Clonic  
 Seizure;Toxicity To Various Agents;Hypokalaemia;Electrocardiogram Qt  
 Prolonged Serious Hospitalized Male - 11-AUG-2022  
 Expedited 3 DEC Not Specified Mylan Healthcare  
 Professional Not Specified - 03-AUG-2022 11-AUG-2022  
 US Not Specified US-  
 MYLANLABS-2022M1085118 "Beresford T, Keffler C, Wasserstein M, Ronan  
 P. (P0-152) Kratom Tramadol Toxicity With Seizure, Hypokalemia, Marked  
 Q-T Prolongation, and Cognitive Impairment: A Case Report. J-Acad-  
 Consult-Liaison-Psychiatry 2022;63 (Supl.):S69-S70 abstr. P0-152."  
 -  
 21203367 Qdolo Tramadol Hydrochloride;Herbals\Mitragynine  
 Pain Generalised Tonic-Clonic Seizure;Toxicity To Various  
 Agents;Electrocardiogram Qt Prolonged;Cognitive Disorder;Hypokalaemia  
 Serious Hospitalized Not Specified - 11-AUG-2022  
 Expedited Not Specified Not Specified Athena  
 Healthcare Professional Not Specified - 03-AUG-2022 11-  
 AUG-2022 US Not Specified US-SABAL THERAPEUTICS  
 LLC-2022-ATH-000014 "Beresford T., Keffler C., Wasserstein M.,  
 Ronan P.. Kratom Tramadol Toxicity With Seizure, Hypokalemia, Marked  
 Q-T Prolongation, and Cognitive Impairment: A Case Report. Journal of  
 the Academy of Consultation-Liaison Psychiatry. 2022;63:S:S69" -  
 21199821 - Herbals\Mitragynine;Tramadol Pain  
 Hypokalaemia;Seizure;Cognitive Disorder;Drug Interaction;Affective  
 Disorder;Electrocardiogram Qt Prolonged;Toxicity To Various Agents

Expedited	3 DEC	Not Specified	Male	-	11-AUG-2022	
Professional	Not Specified	-		03-AUG-2022	11-AUG-2022	
US	Not Specified	US-STRIDES	ARCOLAB			
LIMITED-2022SP010158	"Beresford T, Keffler C, Wasserstein M, Ronan P.. (P0-152) Kratom Tramadol Toxicity With Seizure, Hypokalemia, Marked Q-T Prolongation, and Cognitive Impairment: A Case Report.. J-Acad-Consult-Liaison-Psychiatry. 2022;63 (Suppl.):S69-S70 abstr. P0-152."					
21199901	-	Herbals\Mitragynine	-	Drug		
Dependence	Serious	Other Outcomes	Not Specified	12-NOV-2021		
10-AUG-2022	Direct	30 YR	Not Specified	Fda-Ctu		
Consumer	Not Specified	-	-	10-AUG-2022	Not	
Specified	Not Specified	-	-	-		
21193544	Trazodone	Herbals\Mitragynine;Trazodone				
Hydrochloride;Ziprasidone;Desvenlafaxine;Buspirone Hydrochloride						
Product Used For Unknown Indication;Tooth Abscess				Drug		
Interaction;Serotonin Syndrome	Serious	Hospitalized	Male	-		
10-AUG-2022	Expedited	63 YR	102.5 KG			
Unichem Healthcare Professional	Not Specified					
Hydrochlorothiazide;Tizanidine;Piperacillin Sodium\Tazobactam						
Sodium;Ampicillin;Amlodipine;Vancomycin;Amoxicillin\Clavulanate						
Potassium;Lorazepam;Diclofenac;Glimepiride;Gabapentin;Metformin;Cefepi						
me;Bupropion;Omeprazole	29-JUL-2022	10-AUG-2022	Not Specified			
Not Specified	US-Unichem Pharmaceuticals (USA) Inc-					
UCM202208-000729	-	-				
21193542	Tramadol Hcl	Tramadol				
Hydrochloride;Herbals\Mitragynine	Pain;Product Used For Unknown					
Indication	Fall;Electrocardiogram Qt Prolonged;Drug					
Interaction;Cognitive Disorder;Hypokalaemia;Seizure;Toxicity To						
Various Agents	Serious	Hospitalized	Male	-	10-AUG-2022	
Expedited	Not Specified	Not Specified	Unichem			
Healthcare Professional	Not Specified	-	29-JUL-2022	10-		
AUG-2022	Not Specified	Not Specified	US-Unichem			
Pharmaceuticals (USA) Inc-UCM202208-000738	-	-				
21192472	-	Herbals\Mitragynine;Tramadol Hydrochloride				
Pain	Loss Of Consciousness;Electrocardiogram Qt					
Prolonged;Generalised Tonic-Clonic Seizure;Mood Swings;Drug						
Interaction;Fall;Cognitive Disorder;Toxicity To Various						
Agents;Delirium;Hypokalaemia	Serious	Other Outcomes;Hospitalized				
Male	-	09-AUG-2022	Expedited	3 DEC	Not	
Specified	Johnson And Johnson	Healthcare Professional	Not			
Specified	-	01-AUG-2022	09-AUG-2022	US	Not	
Specified	US-JNJFOC-20220818641	-	-			
21184115	-	Herbals\Mitragynine	Product Used For			
Unknown Indication	Respiratory Depression;Toxicity To Various					
Agents	Serious	Died	Male	-	06-AUG-2022	Direct
Specified	Not Specified	Fda-Ctu	Consumer		Not Specified	
-	-	06-AUG-2022	Not Specified	Not Specified		
-	-	-				

21177773	-	Herbals\Mitragynine	-	Death;Toxicity
To Various Agents		Serious Died	Male	31-MAY-2022 05-
AUG-2022	Direct	31 YR	Not Specified	Fda-Ctu Consumer
	Not Specified	Benadryl	-	05-AUG-2022 Not
Specified	Not Specified	-	-	-
21176316	-	Herbals\Mitragynine		Analgesic Therapy
	Withdrawal Syndrome	Serious	Required	
Intervention;Hospitalized		Male	15-APR-2020	04-AUG-2022
Direct	35 YR	76.5 KG	Fda-Ctu Consumer	Not Specified
-	-	04-AUG-2022	Not Specified	Not Specified
-	-	-		
21169852	-	Herbals\Mitragynine;Desvenlafaxine;Trazodone		
Hydrochloride;Bupropion;Buspirone Hydrochloride		Product Used For		
Unknown Indication		Herbal Interaction;Drug Interaction;Serotonin		
Syndrome	Serious	Hospitalized;Other Outcomes	Male	-
04-AUG-2022		Expedited	63 YR	102.5 KG
				Oxford
Pharmaceuticals Healthcare Professional		Not Specified		
Diclofenac;Omeprazole;Tizanidine;Glimepiride;Gabapentin;Amlodipine;Met				
formin;Hydrochlorothiazide		20-JUL-2022	04-AUG-2022	US
	Not Specified	"US-Oxford Pharmaceuticals, LLC-2131507"		
	"Eudaley ST, Brooks SP, Hamilton LA. Case Report: Possible			
Serotonin Syndrome in a Patient Taking Kratom and Multiple				
Serotonergic Agents. Journal of Pharmacy Practice. 2022 Jul				
15:08971900221116009."	-			
21160764		Trazodone;Buspirone	Buspirone	
Hydrochloride;Herbals\Mitragynine;Trazodone				
Hydrochloride;Desvenlafaxine;Bupropion		Product Used For	Unknown	
Indication		Serotonin Syndrome;Herbal Interaction;Drug Interaction		
	Serious	Hospitalized	Male	-
Expedited	63 YR	102.5 KG		02-AUG-2022
Professional		Alvogen Healthcare		
	Not Specified			
Metformin;Gabapentin;Omeprazole;Diclofenac;Glimepiride;Amlodipine;Tiza				
nidine;Hydrochlorothiazide		20-JUL-2022	02-AUG-2022	US
	Not Specified	US-ALVOGEN-2022-ALVOGEN-120686 "Eudaley ST,		
	Brooks SP, Hamilton LA. Case Report: Possible Serotonin Syndrome in a			
Patient Taking Kratom and Multiple Serotonergic Agents. J Pharm Pract.				
2022 Jul 15:8971900221116009. doi: 10.1177/08971900221116009. Epub				
ahead of print. PMID: 35840540."	-			
21160134	-	Herbals\Mitragynine	-	Restless Legs
Syndrome;Drug Withdrawal Syndrome;Depression;Drug Abuse				Serious
Hospitalized;Required Intervention		Male	15-JUL-2022	01-
AUG-2022	Direct	23 YR	Not Specified	Fda-Ctu Consumer
	Not Specified	-	-	01-AUG-2022
	Not Specified	-	-	Not Specified
21154719	-	Herbals\Mitragynine	-	Death
Serious Died	Male	09-JUL-2022	29-JUL-2022	Direct
72 KG	Fda-Ctu	Healthcare Professional	Not Specified	-
-	29-JUL-2022	Not Specified	Not Specified	-
-	-			
21081195	-	Ursodiol;Herbals\Mitragynine		Attention

Deficit Hyperactivity Disorder;Cholestatic Liver Injury;Phytotherapy  
Drug Ineffective;Multiple Organ Dysfunction Syndrome  
Serious Hospitalized Female - 29-JUL-2022 Expedited  
37 YR Not Specified Teva Healthcare Professional Not  
Specified Amphetamine\Dextroamphetamine 20-JUL-2022 14-  
JUL-2022 US Not Specified US-TEVA-2022-US-2053941 -  
-  
21138096 - Ziprasidone  
Hydrochloride;Desvenlafaxine;Trazodone  
Hydrochloride;Herbals\Mitragynine;Buspirone Hydrochloride  
Anxiety Disorder;Hypertension;Major Depression;Product Used For  
Unknown Indication;Type 2 Diabetes Mellitus Drug  
Interaction;Serotonin Syndrome Serious Other Outcomes;Hospitalized  
Male - 27-JUL-2022 Expedited 63 YR 102.5  
KG Accord Healthcare Professional Not Specified  
Omeprazole;Bupropion;Gabapentin;Amlodipine;Glimepiride;Metformin;Hydro  
chlorothiazide;Diclofenac;Tizanidine 17-JUL-2022 27-JUL-2022  
US Not Specified US-Accord-270588 "Eudaley ST,  
Brooks SP, Hamilton LA. Case Report: Possible Serotonin Syndrome in a  
Patient Taking Kratom and Multiple Serotonergic Agents. J Pharm Pract.  
2022 Jul 15:897190022116009." -  
21133272 Paxlovid  
Nirmatrelvir\Ritonavir;Herbals\Mitragynine Covid-19 Treatment  
Withdrawal Syndrome;Drug Interaction Non-Serious Non-  
Serious Female 22-JUL-2022 26-JUL-2022 Non-Expedited 36 YR  
Not Specified Pfizer Consumer Not Specified  
Propranolol;Gabapentin 23-JUL-2022 26-JUL-2022 US Not  
Specified US-PFIZER INC-202201002065 - -  
21094031 - Herbals\Mitragynine Substance Use Liver  
Injury Serious Died;Hospitalized Male 05-AUG-2021 17-  
JUL-2022 Direct 31 YR 83.25 KG Fda-Ctu Consumer  
Not Specified - - 17-JUL-2022 Not Specified  
Not Specified - - -  
21093964 - Herbals\Mitragynine Nervousness;Pain  
Sudden Death;Toxicity To Various Agents;Drug Dependence  
Serious Died Female 15-MAY-2022 17-JUL-2022 Direct 28 YR  
58.5 KG Fda-Ctu Consumer Not Specified - -  
17-JUL-2022 Not Specified Not Specified - -  
-  
21075223 - Herbals\Mitragynine Asthenia;Insomnia  
Decreased Appetite;Constipation;Libido Decreased;Withdrawal  
Syndrome;Urine Analysis Abnormal;Alopecia;Hepatic Failure  
Serious Life Threatening;Other Outcomes;Disabled;Required  
Intervention;Hospitalized Female 25-JUN-2021 12-JUL-2022  
Direct 27 YR 56.25 KG Fda-Ctu Consumer Not  
Specified - - 12-JUL-2022 Not Specified Not  
Specified - - -  
16717179 - Citalopram  
Hydrobromide;Herbals\Mitragynine;Ranitidine;Loratadine;Albuterol;Aceta  
minophen;Diphenhydramine;Valacyclovir Hydrochloride;Methocarbamol

	Exposure During Pregnancy;Product Used For Unknown Indication					
	Foetal Exposure During Pregnancy;Drug Withdrawal Syndrome					
Neonatal	Serious Other Outcomes;Hospitalized	Female	-			
11-JUL-2022	Expedited	Not Specified	3.68 KG			
Allergan	Healthcare Professional	Not Specified	-	28-		
JUN-2022	19-AUG-2019	CA	Not Specified	CA-		
ALLERGAN-1933574US	-	-				
16717258	Valtrex Citalopram Hydrobromide;Valacyclovir					
	Hydrochloride;Herbals\Mitragynine;Loratadine;Ranitidine;Albuterol;Acetaminophen\Methocarbamol;Diphenhydramine	Product Used For Unknown				
	Indication	Caesarean Section;Maternal Exposure During Pregnancy				
	Serious Other Outcomes	Female	-	05-JUL-2022		
Expedited	Not Specified	Not Specified	Allergan			
Healthcare Professional	Not Specified	-	28-JUN-2022	19-		
AUG-2019	CA	Not Specified	CA-ALLERGAN-1933436US	-		
-						
21028472	-	Herbals\Mitragynine	Anxiety;Back Disorder			
	Brain Fog;Road Traffic Accident;Euphoric Mood;Adverse Drug					
Reaction;Drug Dependence	Non-Serious	Non-Serious	Male			
02-JUN-2022	30-JUN-2022	Direct	46 YR	86.18 KG		
Fda-Ctu Consumer	Not Specified	-	-	30-		
JUN-2022	Not Specified	Not Specified	-	-	-	
21026779	-	Herbals\Mitragynine	Anxiety			
Vomiting;Nausea;Food Poisoning	Non-Serious	Non-Serious	Female			
22-MAY-2022	29-JUN-2022	Direct	42 YR	Not Specified		
Fda-Ctu Consumer	Not Specified					
Glucosamine;Collagen;Calcium;Yaz;Famotidine;Vitamin D	-	29-				
JUN-2022	Not Specified	Y	-	-	-	
21008823	-	Herbals\Mitragynine	-	Drug		
Withdrawal Syndrome;Substance Use;Drug Dependence			Serious			
Hospitalized;Disabled	Not Specified	24-JUN-2022	25-JUN-2022			
Direct	Not Specified	Not Specified	Fda-Ctu Consumer			
Not Specified	-	-	25-JUN-2022	Not Specified		
Not Specified	-	-	-			
21003944	-	Herbals\Mitragynine	Pain	Overdose;Drug		
Dependence;Dependence	Serious	Life Threatening;Hospitalized	Male			
-	24-JUN-2022	Direct	32 YR	67.5 KG	Fda-Ctu	
Consumer	Not Specified	-	-	24-JUN-2022	Not	
Specified	Not Specified	-	-	-		
19826544	Hydrocodone Bitartrate And Acetaminophen					
	Acetaminophen\Hydrocodone Bitartrate;Alprazolam;Oxycodone;Escitalopram					
	Oxalate;Hydrocodone;Tramadol;Herbals\Mitragynine	Anxiety;Back				
	Pain;Depression;Drug Withdrawal Syndrome;Intervertebral Disc					
Degeneration	Drug Withdrawal Syndrome;Drug Tolerance;Drug Use					
Disorder;Drug Dependence;Intentional Product Misuse;Drug						
Ineffective;Intentional Overdose;Depression;Anxiety	Serious					
Hospitalized;Other Outcomes	Male	-	20-JUN-2022			
Expedited	5 DEC	Not Specified	Lupin	Healthcare		
Professional	Not Specified	-	07-JUN-2022	14-SEP-2021		
US	Not Specified	US-LUPIN PHARMACEUTICALS				



INC.-2021-17175 "Bowe A, Kerr PL. A complex case of kratom dependence, depression, and chronic pain in opioid use disorder: effects of buprenorphine in clinical management. Journal of Psychoactive Drugs. 2020;52(5):447-452" -

20963498 - Herbals\Mitragynine - Intentional Product Misuse;Withdrawal Syndrome;Educational Problem;Dependence;Personal Relationship Issue;Overdose;Drug Tolerance;Drug Dependence;Loss Of Personal Independence In Daily Activities Serious Disabled;Hospitalized;Required Intervention;Life Threatening Female - 15-JUN-2022 Direct

19 YR Not Specified Fda-Ctu Healthcare Professional Not Specified 15-JUN-2022 Not Specified Not Specified - - -

20951894 Zoloft Sertraline Hydrochloride;Herbals\Mitragynine Anxiety Toxicity To Various Agents;Drug Abuser Serious Died Male 03-MAY-2022 11-JUN-2022 Direct 39 YR 81 KG Fda-Ctu Consumer Not Specified Aripiprazole;Bupropion Hydrochloride;Sertraline - 11-JUN-2022 Not Specified Not Specified - - -

20939015 - Herbals\Mitragynine Substance Use Alcohol Poisoning;Herbal Toxicity Serious Died Female 29-MAY-2019 09-JUN-2022 Direct 52 YR Not Specified Fda-Ctu Consumer Not Specified - - 09-JUN-2022 Not Specified Not Specified - - -

20909802 - Herbals\Mitragynine - Seizure;Drug Dependence;Quality Of Life Decreased Serious Disabled;Other Outcomes;Life Threatening Male 13-SEP-2021 02-JUN-2022 Direct 29 YR Not Specified Fda-Ctu Consumer Not Specified 02-JUN-2022 Not Specified Not Specified - - -

20906527 - Herbals\Mitragynine Affective Disorder Seizure Serious Other Outcomes;Hospitalized;Life Threatening;Required Intervention Male 29-MAY-2022 02-JUN-2022 Direct 35 YR 81 KG Fda-Ctu Consumer Not Specified 02-JUN-2022 Not Specified Not Specified - - -

20906522 - Herbals\Mitragynine Rheumatoid Arthritis Toxicity To Various Agents;Hypertension;Unresponsive To Stimuli;Withdrawal Syndrome;Respiratory Depression Serious Hospitalized;Life Threatening;Other Outcomes Female 12-JAN-2022 02-JUN-2022 Direct 44 YR 63 KG Fda-Ctu Consumer Not Specified

Buspirone;Nexium;Vitamins;Ambien;Clonidine;Seroquel - 02-JUN-2022 Not Specified Not Specified - - -

20863949 Venlafaxine Venlafaxine Hydrochloride;Herbals\Mitragynine;Quetiapine - Electrocardiogram Qt Prolonged;Serotonin Syndrome;Drug Interaction Serious Hospitalized Male - 23-MAY-2022

Expedited 36 YR Not Specified Astrazeneca Healthcare Professional Not Specified - 15-MAY-2022 23-MAY-2022

Not Specified Not Specified US-AstraZeneca-2022A187677  
 Brogdon H.D.; McPhee M.M.; Paine M.F.; Cox E.J.; Burns  
 A.G.. A Case of Potential Pharmacokinetic Kratom-drug Interactions  
 Resulting in Toxicity and Subsequent Treatment of Kratom Use Disorder  
 With Buprenorphine/Naloxone. Journal of addiction medicine 2022;

20587441 Venlafaxine Venlafaxine  
 Hydrochloride;Quetiapine;Herbals\Mitragynine Product Used For  
 Unknown Indication Electrocardiogram Qt Prolonged;Serotonin  
 Syndrome;Drug Interaction;Drug Level Above Therapeutic Serious Other  
 Outcomes Male - 18-MAY-2022 Expedited 36 YR  
 Not Specified Hikma Healthcare Professional Not Specified  
 - 04-MAY-2022 14-MAR-2022 Not Specified Not  
 Specified US-Hikma Pharmaceuticals USA Inc.-US-H14001-22-56956

20531342 Venlafaxine Venlafaxine  
 Hydrochloride;Herbals\Mitragynine;Quetiapine Drug Abuse;Drug Use  
 Disorder;Product Used For Unknown Indication Antidepressant Drug  
 Level Above Therapeutic;Electrocardiogram Abnormal;Herbal  
 Interaction;Antipsychotic Drug Level Above Therapeutic;Serotonin  
 Syndrome;Drug Interaction;Toxicity To Various Agents;Drug Use  
 Disorder;Electrocardiogram Qt Prolonged Serious Other Outcomes Not  
 Specified - 18-MAY-2022 Expedited Not Specified  
 Not Specified Macleods Healthcare Professional Not  
 Specified Buprenorphine\Naloxone 04-MAY-2022 01-MAR-2022  
 US Not Specified US-MACLEODS PHARMACEUTICALS US LTD-  
 MAC2022034574 "Brogdon HD, McPhee MM, Paine MF, Cox EJ, Burns AG. A  
 Case of Potential Pharmacokinetic Kratom-drug Interactions Resulting  
 in Toxicity and Subsequent Treatment of Kratom Use Disorder With  
 Buprenorphine/Naloxone. American Society of Addiction Medicine.  
 2022;00:00" -

20588988 Venlafaxine Quetiapine;Venlafaxine  
 Hydrochloride;Herbals\Mitragynine Product Used For Unknown  
 Indication Antidepressant Drug Level Above Therapeutic;Drug Level  
 Above Therapeutic;Electrocardiogram Abnormal;Drug  
 Interaction;Electrocardiogram Qt Prolonged;Herbal  
 Interaction;Serotonin Syndrome;Antipsychotic Drug Level Above  
 Therapeutic Serious Other Outcomes Male - 17-MAY-2022  
 Expedited 36 YR Not Specified Aurobindo  
 Healthcare Professional Not Specified Buprenorphine\Naloxone 04-  
 MAY-2022 14-MAR-2022 US Not Specified US-AUROBINDO-  
 AUR-APL-2022-007142 "Brogdon HD, McPhee MM, Paine MF, Cox EJ,  
 Burns AG.. A Case of Potential Pharmacokinetic Kratom-drug  
 Interactions Resulting in Toxicity and Subsequent Treatment of Kratom  
 Use Disorder With Buprenorphine/Naloxone.. Journal of addiction  
 medicine. 2022" -

20581439 Venlafaxine Venlafaxine Hydrochloride;Quetiapine  
 Fumarate;Herbals\Mitragynine Product Used For Unknown Indication  
 Herbal Interaction;Drug Interaction;Antipsychotic Drug Level  
 Above Therapeutic;Electrocardiogram Qt Prolonged;Serotonin

Syndrome;Electrocardiogram Abnormal Serious Other  
 Outcomes;Hospitalized Male - 16-MAY-2022 Expedited  
 36 YR Not Specified Lupin Healthcare Professional Not  
 Specified - 04-MAY-2022 11-MAR-2022 US Not  
 Specified US-LUPIN PHARMACEUTICALS  
 INC.-2022-03085 "Brogdon HD, McPhee MM, Paine MF, Cox EJ, Burns AG. A  
 case of potential pharmacokinetic kratom-drug interactions resulting  
 in toxicity and subsequent treatment of kratom use disorder with  
 buprenorphine/naloxone. American Society of Addiction Medicine. 2022"

20832558 - Herbals\Mitragynine Anxiety  
 Anxiety;Hypertension;Restless Legs Syndrome;Chest Pain Serious  
 Disabled Female 13-MAY-2022 14-MAY-2022 Direct 45 YR  
 55.8 KG Fda-Ctu Consumer Not Specified Prozac -  
 14-MAY-2022 Not Specified Not Specified - -

20552469 Venlafaxine Venlafaxine  
 Hydrochloride;Herbals\Mitragynine;Quetiapine Product Used For  
 Unknown Indication Herbal Interaction;Electrocardiogram  
 Abnormal;Serotonin Syndrome;Electrocardiogram Qt Prolonged;Toxicity To  
 Various Agents;Antidepressant Drug Level Above  
 Therapeutic;Antipsychotic Drug Level Above Therapeutic;Drug  
 Interaction Serious Other Outcomes Male - 13-MAY-2022  
 Expedited 36 YR Not Specified Torrent Healthcare  
 Professional Not Specified - 04-MAY-2022 04-MAR-2022  
 US Not Specified US-TORRENT-00011765 - -

20587236 - Quetiapine  
 Fumarate;Herbals\Mitragynine;Venlafaxine Hydrochloride Product Used  
 For Unknown Indication Electrocardiogram Abnormal;Drug  
 Interaction;Antidepressant Drug Level Above Therapeutic;Serotonin  
 Syndrome;Drug Level Above Therapeutic;Herbal  
 Interaction;Electrocardiogram Qt Prolonged;Antipsychotic Drug Level  
 Above Therapeutic Serious Other Outcomes Male - 12-  
 MAY-2022 Expedited 36 YR Not Specified Dr Reddys  
 Healthcare Professional Not Specified - 04-MAY-2022  
 14-MAR-2022 US Not Specified US-drreddys-SP0/USA/  
 22/0147506 "Burns A, Brogdon H, McPhee M, Paine M, Cox E. A Case  
 of Potential Pharmacokinetic Kratom-drug Interactions Resulting in  
 Toxicity and Subsequent Treatment of Kratom Use Disorder With  
 Buprenorphine/Naloxone. J Addict Med. 2022;UNK:UNK-UNK. doi:10.1097/  
 ADM.0000000000000968" -

20584138 Venlafaxine Venlafaxine  
 Hydrochloride;Herbals\Mitragynine;Quetiapine Product Used For  
 Unknown Indication Drug Level Above Therapeutic;Electrocardiogram  
 Qt Prolonged;Drug Interaction;Serotonin Syndrome Serious Other  
 Outcomes Male - 10-MAY-2022 Expedited 36 YR  
 Not Specified Bausch And Lomb Healthcare Professional Not  
 Specified - 04-MAY-2022 11-MAR-2022 US Not  
 Specified US-BAUSCH-BL-2022-006009 "Brogdon H, McPhee M,  
 Paine M, Cox E, Burns A. A Case of Potential Pharmacokinetic Kratom-

drug Interactions Resulting in Toxicity and Subsequent Treatment of  
Kratom Use Disorder With Buprenorphine/Naloxone. Journal of Addiction  
Medicine. 2022;1-4. doi:1097/ADM.0000000000000968" -

20801307	-	Herbals\Mitragynine	-	Death	
Serious Died	Male	04-APR-2022	07-MAY-2022	Direct	41 YR
Not Specified	Fda-Ctu Consumer		Not Specified	-	
-	07-MAY-2022	Not Specified	Not Specified	-	
-	-				
20778443	-	Herbals\Mitragynine		Drug Dependence	Blood
Pressure Increased;Drug	Dependence;Psychomotor	Hyperactivity			Non-
Serious Non-Serious	Male	18-MAR-2022	03-MAY-2022	Direct	
Not Specified	Not Specified	Fda-Ctu Consumer		Not	
Specified	-	-	03-MAY-2022	Not Specified	Not
Specified	-	-	-		
20778086	-	Herbals\Mitragynine	-	Drug	
Dependence;Rhinorrhoea;Vomiting;Agitation;Sleep	Disorder;Sleep Apnoea				
Syndrome;Withdrawal Syndrome;Influenza Like Illness	Serious				
Hospitalized;Disabled	Female	28-APR-2022	03-MAY-2022	Direct	
50 YR	Not Specified	Fda-Ctu	Not Specified	Not Specified	
-	-	03-MAY-2022	Not Specified	Not Specified	
-	-	-			
20719274	-	Herbals\Mitragynine	-	Cardiac	
Arrest;Seizure;Vertigo;Herbal Toxicity;Bell's Palsy	Serious Died				
Male	13-APR-2019	15-APR-2022	Direct	27 YR	81 KG
Fda-Ctu Consumer	Not Specified	-	-	15-	
APR-2022	Not Specified	Not Specified	-	-	-
20713303	-	Herbals\Mitragynine		Fatigue Blood	
Potassium Decreased;Adverse Drug Reaction;Product Complaint;Drug					
Dependence	Serious Other Outcomes	Female	18-OCT-2020	14-	
APR-2022	Direct	52 YR	62.1 KG	Fda-Ctu Consumer	Not
Specified	Vitamin B;Vitamin C;Magnesium	-	14-APR-2022		
Not Specified	Not Specified	-	-	-	
20706519	-	Herbals\Mitragynine		Alcohol Detoxification	
Seizure;Dependence	Serious Hospitalized;Died	Male			
05-FEB-2021	11-APR-2022	Direct	21 YR	61.23 KG	
Fda-Ctu Consumer	Not Specified	-	-	11-	
APR-2022	Not Specified	Not Specified	-	-	-
20701017	-	Herbals\Mitragynine		Anxiety;Insomnia	
Herbal Toxicity	Serious Died	Male	21-FEB-2021	11-	
APR-2022	Direct	26 YR	78.75 KG	Fda-Ctu Consumer	
Not Specified	-	-	11-APR-2022	Not Specified	
Not Specified	-	-	-		
20699441	-	Herbals\Mitragynine		Drug Dependence	
Accidental Overdose	Serious Died	Male	-	10-APR-2022	
Direct	Not Specified	103.5 KG	Fda-Ctu Consumer		
Not Specified	-	-	10-APR-2022	Not Specified	
Not Specified	-	-	-		
20631085		Venlafaxine		Venlafaxine	
Hydrochloride;Quetiapine;Herbals\Mitragynine				Drug Use	
Disorder;Product Used For Unknown Indication				Serotonin	

Syndrome;Intentional Product Misuse;Drug Interaction;Electrocardiogram  
 Qt Prolonged Serious Hospitalized Male - 07-APR-2022  
 Expedited 36 YR Not Specified Teva Healthcare  
 Professional Not Specified - 30-MAR-2022 24-MAR-2022  
 US Not Specified US-TEVA-2022-US-2018997 "Brogdon HD,  
 McPhee MM, Paine MF, Cox EJ, Burns AG. A Case of Potential  
 Pharmacokinetic Kratom-drug Interactions Resulting in Toxicity and  
 Subsequent Treatment of Kratom Use Disorder With Buprenorphine/  
 Naloxone. J-Addict-Med 2022;:." -  
 20679122 - Herbals\Mitragynine Product Used For  
 Unknown Indication Drug Tolerance Increased;Product  
 Complaint;Drug Dependence;Dependence Serious Other Outcomes Male  
 01-APR-2022 05-APR-2022 Direct 36 YR Not Specified  
 Fda-Ctu Consumer Not Specified - - 05-  
 APR-2022 Not Specified Not Specified - - -  
 20658365 - Herbals\Mitragynine Relaxation Therapy  
 Drug Dependence;Withdrawal Syndrome Serious Disabled;Other  
 Outcomes Male 29-MAR-2022 30-MAR-2022 Direct 33 YR  
 87.75 KG Fda-Ctu Consumer Not Specified -  
 - 30-MAR-2022 Not Specified Not Specified -  
 - -  
 20642682 - Herbals\Mitragynine Asthenia  
 Euphoric Mood;Psychotic Disorder;Dependence Serious Other Outcomes  
 Male 01-MAR-2022 27-MAR-2022 Direct 47 YR 121.5  
 KG Fda-Ctu Consumer Not Specified Buspar;Vasotec;Paxil  
 - 27-MAR-2022 Not Specified Not Specified -  
 - -  
 20636132 - Herbals\Mitragynine Anxiety Marital  
 Problem;Paranoia;Delusion;Product Complaint;Self-Medication  
 Serious Hospitalized Male 31-JUL-2021 24-MAR-2022 Direct  
 38 YR 112.5 KG Fda-Ctu Consumer Not Specified  
 - - 24-MAR-2022 Not Specified Not Specified  
 - - -  
 20576068 Venlafaxine Venlafaxine Hydrochloride;Quetiapine  
 Fumarate;Herbals\Mitragynine Product Used For Unknown Indication  
 Serotonin Syndrome;Drug Interaction;Drug Level Above  
 Therapeutic;Dizziness;Herbal Interaction;Electrocardiogram Abnormal  
 Serious Other Outcomes Male - 24-MAR-2022  
 Expedited 36 YR Not Specified Alembic Healthcare  
 Professional Not Specified - 11-MAR-2022 10-MAR-2022  
 US Not Specified US-ALEMBIC PHARMACUETICALS  
 LIMITED-2022SCAL000070 "McPhee MM, Paine MF, Cox EJ, Burns AG.. A  
 Case of Potential Pharmacokinetic Kratom-drug Interactions Resulting  
 in Toxicity and Subsequent Treatment of Kratom Use Disorder With  
 Buprenorphine/Naloxone.. Journal of addiction medicine. 2022" -  
 20570100 Venlafaxine Venlafaxine  
 Hydrochloride;Quetiapine;Herbals\Mitragynine Opioid Sparing  
 Treatment;Product Used For Unknown Indication Serotonin  
 Syndrome;Electrocardiogram Qt Prolonged;Drug Level Above  
 Therapeutic;Drug Interaction Serious Other Outcomes Male -

24-MAR-2022	Expedited	36 YR	Not Specified		
Unichem Healthcare Professional	Not Specified	-	11-MAR-2022		
09-MAR-2022	Not Specified	Not Specified	US-Unichem		
Pharmaceuticals (USA) Inc-UCM202203-000202	-	-			
20626838	-	Herbals\Mitragynine	Asthenia		
Feeling Abnormal;Illness;Dyspnoea;Withdrawal Syndrome	Non-Serious	Male	22-MAR-2022	Direct	Not Specified
81 KG	Fda-Ctu	Consumer	Not Specified	-	
-	22-MAR-2022	Not Specified	Not Specified	-	
-	-				
20619042	-	Diazepam;Fentanyl;Herbals\Mitragynine			
Product Used For Unknown Indication	Drug Abuse	Serious	Died		
Male	2020	22-MAR-2022	Expedited	31 YR	Not Specified
Endo	Healthcare Professional	Not Specified	-		
22-FEB-2022	22-MAR-2022	US	Not Specified	US-	
ENDO PHARMACEUTICALS INC-2022-001574	-	-			
20622022	-	Herbals\Mitragynine	Anxiety;Insomnia		
Socioeconomic Precarity;Drug Dependence	Serious	Disabled;Other			
Outcomes;Life Threatening;Required Intervention	Male	15-MAR-2022			
21-MAR-2022	Direct	36 YR	67.5 KG	Fda-Ctu	Consumer
Not Specified	-	-	21-MAR-2022	Not Specified	
Not Specified	-	-	-		
20613979	-	Herbals\Mitragynine;Oxycodone;Gabapentin			
Drug Abuse	Drug Abuse	Serious	Other Outcomes;Died		
Female	-	19-MAR-2022	Expedited	47 YR	Not Specified
Alvogen	Healthcare Professional	Not Specified	-		
04-MAR-2022	19-MAR-2022	US	Not Specified	US-	
ALVOGEN-2022-ALVOGEN-118997	"Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Bronstein AC, Rivers LJ, Pham NPT, Weber J. 2020 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 38th Annual Report. Clin Toxicol (Phila). 2021 Dec;59(12):1282-1501. doi: 10.1080/15563650.2021.1989785."	-			
20608291	-	Herbals\Mitragynine;Oxycodone	Product Used		
For Unknown Indication	Death	Serious	Died;Other Outcomes	Male	
-	17-MAR-2022	Expedited	57 YR	Not Specified	
Alvogen	Healthcare Professional	Not Specified	-	04-	
MAR-2022	17-MAR-2022	US	Not Specified	US-	
ALVOGEN-2022-ALVOGEN-118971	"Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Bronstein AC, Rivers LJ, Pham NPT, Weber J. 2020 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 38th Annual Report. Clin Toxicol (Phila). 2021 Dec;59(12):1282-1501. doi: 10.1080/15563650.2021.1989785."	-			
20605579	Trazodone	Trazodone			
Hydrochloride;Fentanyl;Herbals\Mitragynine	Drug Abuse	Drug			
Abuse	Serious	Died;Other Outcomes	Male	-	17-MAR-2022
Expedited	28 YR	Not Specified	Alvogen	Healthcare	
Professional	Not Specified	-	04-MAR-2022	17-MAR-2022	
US	Not Specified	US-ALVOGEN-2022-			
ALVOGEN-118740	"Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Bronstein AC, Rivers LJ, Pham NPT, Weber J. 2020 Annual Report of the American				

Association of Poison Control Centers' National Poison Data System (NPDS): 38th Annual Report. Clin Toxicol (Phila). 2021 Dec;59(12):1282-1501. doi: 10.1080/15563650.2021.1989785." - 20601265 Venlafaxine Venlafaxine Hydrochloride;Buprenorphine Hydrochloride\Naloxone Hydrochloride;Herbals\Mitragynine;Quetiapine Drug Use Disorder;Product Used For Unknown Indication;Substance Use Disorder Drug Interaction;Electrocardiogram Qt Prolonged;Drug Level Above Therapeutic;Serotonin Syndrome;Off Label Use Serious Hospitalized Male - 16-MAR-2022 Expedited 36 YR Not Specified Mylan Healthcare Professional Not Specified Buprenorphine\Naloxone 07-MAR-2022 16-MAR-2022 US Not Specified US-MYLANLABS-2022M1019572 "Brogdon HD, McPhee MM, Paine MF, Cox EJ, Burns AG. A Case of Potential Pharmacokinetic Kratom-drug Interactions Resulting in Toxicity and Subsequent Treatment of Kratom Use Disorder With Buprenorphine/Naloxone. J-Addict-Med 2022;null:null." - 20586698 Percocet;Alcohol (Alcohol) Alcohol;Acetaminophen\Oxycodone Hydrochloride;Herbals\Mitragynine;Benzodiazepine;Fentanyl Product Used For Unknown Indication Drug Abuse;Cardio-Respiratory Arrest Serious Died Male 2020 13-MAR-2022 Expedited 16 YR Not Specified Endo Healthcare Professional Not Specified - 22-FEB-2022 13-MAR-2022 US Not Specified US-ENDO PHARMACEUTICALS INC-2022-001222 - - 20583134 Venlafaxine Venlafaxine Hydrochloride;Herbals\Mitragynine;Quetiapine - Electrocardiogram Qt Prolonged;Drug Interaction;Serotonin Syndrome Serious Other Outcomes Male - 11-MAR-2022 Expedited 36 YR Not Specified Jubilant Healthcare Professional Not Specified - 28-FEB-2022 11-MAR-2022 US Not Specified US-JUBILANT CADISTA PHARMACEUTICALS-2022JUB00051 "Brogdon HD, McPhee MM, Paine MF, Cox EJ, Burns AG. A Case of Potential Pharmacokinetic Kratom-drug Interactions Resulting in Toxicity and Subsequent Treatment of Kratom Use Disorder With Buprenorphine/Naloxone. J Addict Med. 2022" - 20573098 - Herbals\Mitragynine Pain Drug Dependence;Withdrawal Syndrome;Socioeconomic Precarity Non-Serious Non-Serious Male - 09-MAR-2022 Direct 42 YR 87.3 KG Fda-Ctu Consumer Not Specified - - 09-MAR-2022 Not Specified Not Specified - - - 20517346 Venlafaxine Quetiapine;Venlafaxine Hydrochloride;Herbals\Mitragynine Product Used For Unknown Indication Electrocardiogram Qt Prolonged;Sinus Tachycardia;Drug Interaction;Serotonin Syndrome;Drug Level Increased Serious Hospitalized;Other Outcomes Male - 09-MAR-2022 Expedited 36 YR Not Specified Accord Healthcare Professional Not Specified - 02-MAR-2022 25-FEB-2022 US Not Specified US-Accord-255103 "Brogdon HD,

McPhee MM, Paine MF, Cox EJ, Burns AG. A Case of Potential Pharmacokinetic Kratom-drug Interactions Resulting in Toxicity and Subsequent Treatment of Kratom Use Disorder With Buprenorphine/Naloxone. J Addict Med. 2022 Feb 14." -

20566946 Robaxin

Methocarbamol;Herbals\Mitragynine;Etizolam;Fentanyl Product Used  
For Unknown Indication Drug Abuse Serious Died Male 2020  
08-MAR-2022 Expedited 35 YR Not Specified Endo  
Healthcare Professional Not Specified - 22-FEB-2022  
08-MAR-2022 US Not Specified US-ENDO

PHARMACEUTICALS INC-2022-001248 - -

20565119 Venlafaxine Venlafaxine  
Hydrochloride;Quetiapine;Herbals\Mitragynine -  
Electrocardiogram Qt Prolonged;Drug Interaction;Dizziness;Serotonin  
Syndrome Serious Hospitalized;Other Outcomes Male -  
08-MAR-2022 Expedited 36 YR Not Specified Dexcel  
Healthcare Professional Not Specified - 22-FEB-2022  
08-MAR-2022 US Not Specified US-DEXPHARM-20220213  
"Brogdon, H. D., MCPhee, M. M., Paine, M. F., Cox, E. J., &  
Burns, A. G. (2022). A Case of Potential Pharmacokinetic Kratom-drug  
Interactions Resulting in Toxicity and Subsequent Treatment of Kratom  
Use Disorder With Buprenorphine/Naloxone. Journal of addiction  
medicine, 10.1097/ADM.0000000000000968. Advance online publication.  
<https://doi.org/10.1097/ADM.0000000000000968>" -

20548596 - Herbals\Mitragynine - Overdose;Drug  
Abuse Serious Died Male 25-FEB-2022 03-MAR-2022 Direct  
37 YR Not Specified Fda-Ctu Consumer Not Specified  
- - 03-MAR-2022 Not Specified Not Specified  
- - -

20545337 - Herbals\Mitragynine;Quetiapine;Venlafaxine  
Hydrochloride Product Used For Unknown Indication Drug Level  
Increased;Toxicity To Various Agents;Serotonin Syndrome;Drug  
Interaction;Long Qt Syndrome Serious Hospitalized Male -  
03-MAR-2022 Expedited 36 YR Not Specified Emcure  
Healthcare Professional Not Specified - 22-FEB-2022  
03-MAR-2022 US Not Specified US-AVET LIFESCIENCES

LTD-2022-AVET-000038 "Brogdon HD, MCPhee MM, Paine MF, Cox EJ,  
Burns AG. A Case of Potential Pharmacokinetic Kratom-drug Interactions  
Resulting in Toxicity and Subsequent Treatment of Kratom Use Disorder  
With Buprenorphine/Naloxone. J Addict Med. 2022" -

20545251 Venlafaxine Venlafaxine  
Hydrochloride;Herbals\Mitragynine;Quetiapine Product Used For  
Unknown Indication;Substance Use Disorder Electrocardiogram  
Change;Serotonin Syndrome;Drug Interaction Serious Other Outcomes  
Male - 03-MAR-2022 Expedited 36 YR Not  
Specified Atlantide Pharmaceuticals Ag Healthcare  
Professional Not Specified - 23-FEB-2022 03-MAR-2022  
US Not Specified US-ATLANTIDE PHARMACEUTICALS

AG-2022ATL000010 "Brogdon HD, MCPhee MM, Paine MF, Cox EJ,  
Burns AG. A Case of Potential Pharmacokinetic Kratom-drug Interactions



Resulting in Toxicity and Subsequent Treatment of Kratom Use Disorder With Buprenorphine/Naloxone.. J Addict Med. 2022;00" -

20517833 - Herbals\Mitragynine Drug Dependence

Alcohol Interaction Serious Died Male 11-DEC-2021 24-FEB-2022 Direct 30 YR 101.25 KG Fda-Ctu Consumer

Not Specified - - 24-FEB-2022 Not Specified

Not Specified - - -

20506147 Venlafaxine Venlafaxine

Hydrochloride;Herbals\Mitragynine;Quetiapine Product Used For

Unknown Indication Serotonin Syndrome;Drug

Interaction;Electrocardiogram Qt Prolonged;Sinus Tachycardia;Drug

Level Increased Serious Other Outcomes;Hospitalized Male -

23-FEB-2022 Expedited 36 YR Not Specified Cadila

Healthcare Professional Not Specified - 17-FEB-2022

23-FEB-2022 US Not Specified US-

CPL-002766 "Brogdon HD, McPhee MM, Paine MF, Cox EJ, Burns AG. A Case of Potential Pharmacokinetic Kratom-drug Interactions Resulting in Toxicity and Subsequent Treatment of Kratom Use Disorder With Buprenorphine/Naloxone. J Addict Med. 2022 Feb 14." -

20492026 - Sertraline Hydrochloride;Herbals\Mitragynine

- Drug Abuse Serious Died;Other Outcomes Female

2020 18-FEB-2022 Expedited 51 YR Not Specified

Pfizer Healthcare Professional Not Specified - 10-FEB-2022

FEB-2022 18-FEB-2022 US Not Specified US-PFIZER

INC-202200250834 "Gummin, D.. 2020 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 38th Annual Report. Clinical Toxicology. 2021;59 (12):1282-1501" -

20491050 Methadone Methadone Hydrochloride;Sertraline

Hydrochloride;Herbals\Mitragynine - Drug Abuse

Serious Other Outcomes;Died Male 2020 18-FEB-2022

Expedited 40 YR Not Specified Pfizer Healthcare

Professional Not Specified - 10-FEB-2022 18-FEB-2022

US Not Specified US-PFIZER

INC-202200255149 "Gummin, D.. 2020 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 38th Annual Report. Clinical Toxicology. 2021;59 (12):1282-1501" -

20490631 - Herbals\Mitragynine;Alcohol

Alcoholism;Product Used For Unknown Indication;Self-Medication

Aggression;Constipation;Insomnia;Confusional State;Weight

Decreased;Liver Disorder;Hypothyroidism;Ammonia Increased Non-

Serious Non-Serious Female - 18-FEB-2022 Direct 30 YR

120 LB Fda-Ctu Consumer Not Specified - -

18-FEB-2022 Not Specified Not Specified - -

-

20490616 - Herbals\Mitragynine Pain

Management;Substance Use Accidental Death;Substance

Use;Impaired Work Ability;Wernicke's

Encephalopathy;Dizziness;Overdose;Pulse

Abnormal;Nausea;Vomiting;Weight Decreased;Decreased Appetite;Cognitive  
Disorder;Dysphonia Serious Died Female 15-DEC-2021 18-  
FEB-2022 Direct 51 YR Not Specified Fda-Ctu Consumer  
Not Specified - - 18-FEB-2022 Not Specified  
Y - - -

20490453 Methadone Methadone Hydrochloride;Sertraline  
Hydrochloride;Herbals\Mitragynine - Death Serious Other  
Outcomes;Died Male 2020 18-FEB-2022 Expedited 41 YR  
Not Specified Pfizer Healthcare Professional Not Specified  
- 10-FEB-2022 18-FEB-2022 US Not Specified  
US-PFIZER INC-202200263226 "Gummin, D.. 2020 Annual  
Report of the American Association of Poison Control Centers' National  
Poison Data System (NPDS): 38th Annual Report. Clinical Toxicology.  
2021;59 (12):1282-1501" -

20487842 Sertraline;Alcohol (Alcohol)  
Atenolol;Alcohol;Herbals\Mitragynine;Sertraline  
Hydrochloride;Gabapentin;Amphetamine Product Used For Unknown  
Indication Cardio-Respiratory Arrest;Completed Suicide  
Serious Other Outcomes;Died Male - 18-FEB-2022  
Expedited 29 YR Not Specified Glenmark Healthcare  
Professional Not Specified - 04-FEB-2022 18-FEB-2022  
US Not Specified US-GLENMARK  
PHARMACEUTICALS-2022GMK070476 "Gummin DD, Mowry JB, Beuhler MC,  
Spyker DA, Bronstein AC, Rivers LJ, Pham NPT, Weber J.. 2020 Annual  
Report of the American Association of Poison Control Centers' National  
Poison Data System (NPDS): 38th Annual Report.. Clinical Toxicology..  
2021;59 (12):1282-1501" -

20486841 - Herbals\Mitragynine;Oxycodone;Gabapentin  
- Drug Abuse Serious Died Female 2020 17-  
FEB-2022 Expedited 47 YR Not Specified Pfizer  
Healthcare Professional Not Specified - 10-FEB-2022 17-  
FEB-2022 US Not Specified US-PFIZER INC-202200268604  
"Gummin, D.. 2020 Annual Report of the American Association of  
Poison Control Centers' National Poison Data System (NPDS): 38th  
Annual Report. Clinical Toxicology. 2021;59 (12):1282-1501" -

20485465 - Herbals\Mitragynine Attention Deficit  
Hyperactivity Disorder;Bipolar Disorder;Substance Abuse  
Hostility;Mania;Impaired Quality Of Life;Neuralgia;Vomiting;Withdrawal  
Syndrome;Drug Dependence;Psychotic Disorder;Restless Legs  
Syndrome;Hyperhidrosis Serious Required Intervention;Hospitalized  
Male 26-NOV-2021 17-FEB-2022 Direct 29 YR 57.15  
KG Fda-Ctu Consumer Not Specified Adderall;Abilify  
- 17-FEB-2022 Not Specified Not Specified -  
- -

20481834 - Herbals\Mitragynine;Fentanyl  
Citrate;Alprazolam - Drug Abuse Serious Died;Other  
Outcomes Male 2020 16-FEB-2022 Expedited 35 YR  
Not Specified Pfizer Healthcare Professional Not Specified  
- 10-FEB-2022 16-FEB-2022 US Not Specified  
US-PFIZER INC-202200257350 "Gummin, D.. 2020 Annual

Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 38th Annual Report. Clinical Toxicology. 2021;59 (12):1282-1501" -

20480419 - Sertraline Hydrochloride;Atenolol;Gabapentin;Amphetamine;Herbals\Mitragynine  
- Cardiac Arrest;Respiratory Arrest;Completed Suicide  
Serious Died;Hospitalized Male 2020 16-FEB-2022  
Expedited 29 YR Not Specified Pfizer Healthcare  
Professional Not Specified - 10-FEB-2022 16-FEB-2022  
US Not Specified US-PFIZER

INC-202200269872 "Gummin, D.. 2020 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 38th Annual Report. Clinical Toxicology. 2021;59 (12):1282-1501" -

20480144 Promethazine Promethazine Hydrochloride;Pregabalin;Hydrochlorothiazide\Triamterene;Herbals\Mitragynine - Respiratory Arrest;Completed Suicide;Cardiac Arrest  
Serious Other Outcomes;Hospitalized;Died Female 2020  
16-FEB-2022 Expedited 36 YR Not Specified Pfizer  
Healthcare Professional Not Specified - 10-FEB-2022  
16-FEB-2022 US Not Specified US-PFIZER

INC-202200254572 "Gummin, D.. 2020 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 38th Annual Report. Clinical Toxicology. 2021;59 (12):1282-1501" -

20479986 - Fentanyl Citrate;Morphine Sulfate;Herbals\Mitragynine;Etizolam;Methamphetamine Hydrochloride;Gabapentin - Drug Abuse Serious Died  
Female 2020 16-FEB-2022 Expedited 32 YR Not  
Specified Pfizer Healthcare Professional Not Specified -  
10-FEB-2022 16-FEB-2022 US Not Specified US-

PFIZER INC-202200256075 "Gummin, D.. 2020 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 38th Annual Report. Clinical Toxicology. 2021;59 (12):1282-1501" -

20471969 - Herbals\Mitragynine;Oxycodone Hydrochloride  
Product Used For Unknown Indication Respiratory  
Arrest;Toxicity To Various Agents;Cardiac Arrest Serious Died  
Male 2020 14-FEB-2022 Expedited 57 YR Not  
Specified Genus Lifesciences Healthcare Professional Not  
Specified - 31-JAN-2022 14-FEB-2022 US Not  
Specified US-Genus\_Lifesciences-USA-POI0580202200026 Gummin  
D. 2020 Annual Report of the American Association of Poison Control Centers National Poison Data Systems (NPDS) 38th Annual Report. Clinical Toxicology. 2021 DEC 10;59(12):1282-1501. -

20466188 - Gabapentin;Oxycodone;Herbals\Mitragynine  
Product Used For Unknown Indication Drug Abuse  
Serious Died;Other Outcomes Female - 13-FEB-2022  
Expedited 47 YR Not Specified Glenmark Healthcare  
Professional Not Specified - 04-FEB-2022 13-FEB-2022

US	Not Specified	US-GLENMARK			
PHARMACEUTICALS-2022GMK070186 "Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Bronstein AC, Rivers LJ, Pham NPT, Weber J.. 2020 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 38th Annual Report.. Clinical Toxicology.. 2021;59 (12):1282-1501" -					
20466143	-				
Methamphetamine;Gabapentin;Herbals\Mitragynine;Fentanyl;Etizolam;Morphine					
	Product Used For Unknown Indication		Drug Abuse		
Serious Died;Other Outcomes	Female	-	13-FEB-2022		
Expedited	32 YR	Not Specified	Glenmark	Healthcare	
Professional	Not Specified	-	04-FEB-2022	13-FEB-2022	
US	Not Specified	US-GLENMARK			
PHARMACEUTICALS-2022GMK070156 "Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Bronstein AC, Rivers LJ, Pham NPT, Weber J.. 2020 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 38th Annual Report.. Clinical Toxicology.. 2021;59 (12):1282-1501" -					
20466055	Heroin;Concerta Methylphenidate Hydrochloride;Diamorphine;Herbals\Mitragynine		Product Used For Unknown Indication	Drug Abuse;Toxicity To Various Agents	
Serious Died	Male	-	12-FEB-2022	Expedited	33 YR
	Not Specified	Johnson And Johnson	Healthcare		
Professional	Not Specified	-	31-JAN-2022	12-FEB-2022	
US	Not Specified	US-JNJFOC-20220218829	-	-	
20438777	-	Morphine			
Sulfate;Etizolam;Herbals\Mitragynine;Gabapentin;Fentanyl;Methamphetamine					
	Drug Abuse	Exposure To Toxic Agent	Serious Died	Female	
2020	07-FEB-2022	Expedited	32 YR	Not Specified	
Galpharm International	Healthcare Professional	Not Specified			
-	03-FEB-2022	07-FEB-2022	US	Not Specified	
US-PERRIGO-22US001641	-	-			
20261749	Rocuronium	Rocuronium			
Bromide;Etomidate;Herbals\Mitragynine Agitation;Apnoea;Haemodynamic Instability;Hypotension;Hypotonia;Induction Of Anaesthesia;Product Used For Unknown Indication;Prophylaxis;Respiratory Rate Decreased;Toxicity To Various Agents Screaming;Toxicity To Various Agents;Distributive Shock;Hyperkalaemia;Clonus;Pain;Cardio-Respiratory Arrest;Deafness Neurosensory;Aggression;Metabolic Acidosis;Agitation;Cardiogenic Shock;Apnoea;Overdose;Grimacing;Muscle Rigidity;Muscle Contractions Involuntary;Respiratory Failure					
Serious Other Outcomes;Life Threatening;Hospitalized	Male	-			
04-FEB-2022	Expedited	35 YR	Not Specified	Teva	
Healthcare Professional Not Specified					
Naloxone;Epinephrine;Sodium Chloride;Ketamine;Norepinephrine					
26-JAN-2022	31-DEC-2021	US	Not Specified	US-TEVA-2021-	
US-1993083	"Hall A, Hall D. Kratom Ingestion and Emergency Care: Summary and a Case Report. J-Emerg-Nurs 2021;47(4):551-556.e1."	-			
20429536	-	Herbals\Mitragynine	Energy		
Increased;Euphoric Mood Pyrexia;Illness;Product Physical Consistency					

Issue;Suspected	Product Contamination;Product Odour Abnormal;Vomiting					
Direct	44 YR	83.25 KG	Female	02-FEB-2022	03-FEB-2022	
Specified	-	-	03-FEB-2022	Fda-Ctu Consumer	Not Specified	Not
Specified	-	-	Yes			
20420716	Rexulti	Brexipiprazole;Herbals\Mitragynine				
Emotional Disorder		Headache;Nausea;Peripheral Coldness;Heart Rate				
Increased;Syncope;Drug Interaction			Serious	Other	Outcomes	Not
Specified	01-FEB-2022	02-FEB-2022	Direct	21 YR	45 KG	
Fda-Ctu Consumer		Not Specified	-	-	02-	
FEB-2022	Not Specified	Not Specified	-	-	-	
20364710	"Alcohol (Alcohol);Sertraline;Dextroamphetamine					
Saccharate, Amphetamine Aspartate, Dextroamphetamine Sulfate And						
Amphetamine Sulfate"	Amphetamine Aspartate\Amphetamine					
Sulfate\Dextroamphetamine Saccharate\Dextroamphetamine						
Sulfate;Gabapentin;Atenolol;Herbals\Mitragynine;Sertraline						
Hydrochloride;Alcohol	Product Used For Unknown Indication					
Completed Suicide	Serious	Died	Male	2020	22-JAN-2022	
Expedited	29 YR	Not Specified	Specgx	Healthcare		
Professional	Not Specified	-	13-DEC-2021	22-JAN-2022		
US	Not Specified	US-SPECGX-T202103801	"Gummin DD,			
Mowry JB, Beuhler MC, Spyker DA, Bronstein AC, Rivers LJ et al. 2020						
Annual Report of the American Association of Poison Control Centers'						
National Poison Data System (NPDS): 38th Annual Report. Clinical						
Toxicology. 2021;59(12):1282-501"						
20360846	Heroin	Diamorphine;Methylphenidate				
Hydrochloride;Herbals\Mitragynine		Product Used For Unknown				
Indication	Drug Abuse	Serious	Died	Male	2020	21-
JAN-2022	Expedited	33 YR	Not Specified	Specgx		
Healthcare Professional	Not Specified	-	13-DEC-2021	21-		
JAN-2022	US	Not Specified	US-SPECGX-			
T202103469	"Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Bronstein					
AC, Rivers LJ et al. 2020 Annual Report of the American Association of						
Poison Control Centers' National Poison Data System (NPDS): 38th						
Annual Report. Clinical Toxicology. 2021;59(12):1282-501"						
17256722	Sertraline;Heroin	Diamorphine;Codeine;Sertraline				
Hydrochloride;Bupropion;Herbals\Mitragynine;Chlorpheniramine;Dextromet						
horphan;Cocaine	Product Used For Unknown Indication					
Respiratory Arrest;Suspected Suicide;Overdose		Serious	Other			
Outcomes;Hospitalized;Died		Male	2018	21-JAN-2022		
Expedited	32 YR	Not Specified	Glaxosmithkline	Healthcare		
Professional	Not Specified	-	21-JAN-2022	10-JAN-2020		
US	Not Specified	US-GLAXOSMITHKLINE-US2020GSK001760				
"Gummin DD, Mowry JB, Spyker DA, Brooks DE, Beuhler MC, Rivers						
LJ, Hashem HA, Ryan ML. 2018 Annual Report of the American Association						
of Poison Control Centers' National Poison Data System (NPDS): 36th						
Annual Report. Clinical Toxicology. 2019;57 (12):1220-1413"						
20354842	Methadone	Methadone				
Hydrochloride;Herbals\Mitragynine;Tramadol						
Unknown Indication	Completed Suicide		Product Used For			
			Serious	Died	Male	

2020	20-JAN-2022	Expedited	55 YR	Not Specified		
Specgx	Healthcare Professional	Not Specified	-	13-		
DEC-2021	20-JAN-2022	US	Not Specified	US-SPECGX-		
T202102822	"Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Bronstein AC, Rivers LJ et al. 2020 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 38th Annual Report. Clinical Toxicology. 2021;59(12):1282-501"					
14254346	Alcohol (Alcohol)	Alcohol;Diphenhydramine Hydrochloride;Bupropion;Herbals\Mitragynine;U-47700;Dextromethorphan				
	Product Used For Unknown Indication	Death;Cardio-				
Respiratory Arrest;Drug Abuse	Serious Died;Other Outcomes	Male				
2016	20-JAN-2022	Expedited	27 YR	Not Specified		
	Glaxosmithkline Healthcare Professional	Not Specified	-			
	20-JAN-2022	05-DEC-2017	US	Not Specified	US-	
GLAXOSMITHKLINE-US2017GSK183857 "Gummin DD, Mowry JB, Spyker DA, Brooks DE, Fraser MO, Banner W. 2016 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 34th Annual Report. Clinical Toxicology. 2017;55(10):1072-1252"						
20355961	-	Herbals\Mitragynine	Occupational Exposure			
To Product	Manufacturing Materials					
Contamination;Nervousness;Muscular Weakness;Insomnia;Manufacturing Process Control Procedure Issue;Withdrawal Syndrome;Occupational Exposure To Product;Disturbance In Attention						
Male	13-JAN-2022	19-JAN-2022	Direct	57 YR	92.25	
KG	Fda-Ctu Consumer	Not Specified	-	-	19-	
JAN-2022	Not Specified	Not Specified	-	-	Yes	
20340958	Sertraline;Alcohol (Alcohol)					
Alcohol;Herbals\Mitragynine;Sertraline Hydrochloride;Gabapentin;Atenolol;Amphetamine						
Unknown Indication	Completed Suicide;Cardio-Respiratory Arrest					
	Serious Other Outcomes;Died;Hospitalized	Male	2020			
17-JAN-2022	Expedited	29 YR	Not Specified	Apotex		
	Healthcare Professional	Not Specified	-	03-JAN-2022		
17-JAN-2022	US	Not Specified	US-APOTEX-2022AP001855			
"Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Bronstein AC, Rivers LJ, Pham NPT, Weber J. 2020 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 38th Annual Report. Clinical Toxicology. 2021;59 (12):1282-1501"						
20340631	Promethazine	Promethazine				
Hydrochloride;Herbals\Mitragynine;Hydrochlorothiazide\Triamterene;Pregabalin						
Product Used For Unknown Indication	Completed					
Suicide;Cardio-Respiratory Arrest	Serious Hospitalized;Other					
Outcomes;Died	Female	2020	17-JAN-2022	Expedited	36 YR	
Not Specified	Apotex	Healthcare Professional	Not Specified			
-	03-JAN-2022	17-JAN-2022	US	Not Specified		
US-APOTEX-2022AP001864 "Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Bronstein AC, Rivers LJ, Pham NPT, Weber J. 2020 Annual Report of the American Association of Poison Control Centers' National						

Poison Data System (NPDS): 38th Annual Report. Clinical Toxicology.

2021;59 (12):1282-1501" -

20334866 - Fentanyl;Alprazolam;Herbals\Mitragynine  
Product Used For Unknown Indication Drug Abuse Serious Other  
Outcomes;Died Male - 14-JAN-2022 Expedited 35 YR  
Not Specified Apotex Healthcare Professional Not Specified  
- 03-JAN-2022 14-JAN-2022 US Not Specified  
US-APOTEX-2022AP000670 "Gummin DD, Mowry JB, Beuhler MC,

Spyker DA, Bronstein AC, Rivers LJ, Pham NPT, Weber J. 2020 Annual  
Report of the American Association of Poison Control Centers' National  
Poison Data System (NPDS): 38th Annual Report. Clinical Toxicology.

2021;59 (12):1282-1501" -

20328827 - Herbals\Mitragynine Anxiety Toxicity To  
Various Agents Serious Died Male 10-NOV-2021 12-JAN-2022  
Direct 22 YR 62.1 KG Fda-Ctu Consumer Not Specified  
- - 12-JAN-2022 Not Specified Not Specified  
- - -

20327484 Methadone Methadone  
Hydrochloride;Herbals\Mitragynine;Tramadol Product Used For  
Unknown Indication Completed Suicide Serious  
Died;Hospitalized;Other Outcomes Male 2020 12-JAN-2022  
Expedited 55 YR Not Specified Apotex Healthcare  
Professional Not Specified - 03-JAN-2022 12-JAN-2022  
US Not Specified US-APOTEX-2022AP001141 "Gummin DD,  
Mowry JB, Beuhler MC, Spyker DA, Bronstein AC, Rivers LJ, Pham NPT,  
Weber J. 2020 Annual Report of the American Association of Poison  
Control Centers' National Poison Data System (NPDS): 38th Annual  
Report. Clinical Toxicology. 2021;59 (12):1282-1501" -

20327433 - Fentanyl;Herbals\Mitragynine;Trazodone  
Hydrochloride Product Used For Unknown Indication Drug Abuse  
Serious Died;Other Outcomes Male - 12-JAN-2022  
Expedited 28 YR Not Specified Apotex Healthcare  
Professional Not Specified - 03-JAN-2022 12-JAN-2022  
US Not Specified US-APOTEX-2022AP000403 "Gummin DD,  
Mowry JB, Beuhler MC, Spyker DA, Bronstein AC, Rivers LJ, Pham NPT,  
Weber J. 2020 Annual Report of the American Association of Poison  
Control Centers' National Poison Data System (NPDS): 38th Annual  
Report. Clinical Toxicology. 2021;59 (12):1282-1501" -

20325320 Alcohol (Alcohol);Oxycodone And Acetaminophen

Acetaminophen\Oxycodone  
Hydrochloride;Herbals\Mitragynine;Alcohol;Fentanyl Product Used  
For Unknown Indication Drug Abuse;Cardio-Respiratory Arrest  
Serious Hospitalized;Died;Other Outcomes Male 2020 12-  
JAN-2022 Expedited 16 YR Not Specified Apotex  
Healthcare Professional Not Specified - 03-JAN-2022 12-  
JAN-2022 US Not Specified US-  
APOTEX-2022AP000068 "Gummin DD, Mowry JB, Beuhler MC, Spyker DA,  
Bronstein AC, Rivers LJ, Pham NPT, Weber J. 2020 Annual Report of the  
American Association of Poison Control Centers' National Poison Data  
System (NPDS): 38th Annual Report. Clinical Toxicology. 2021;59

(12):1282-1501" -  
20321650 - Fentanyl;Herbals\Mitragynine Product Used  
For Unknown Indication Drug Abuse Serious Other Outcomes;Died  
Male - 11-JAN-2022 Non-Expedited 31 YR Not  
Specified Apotex Healthcare Professional Not Specified -  
03-JAN-2022 11-JAN-2022 US Not Specified US-  
APOTEX-2022AP000530 "Gummin DD, Mowry JB, Beuhler MC, Spyker DA,  
Bronstein AC, Rivers LJ, Pham NPT, Weber J. 2020 Annual Report of the  
American Association of Poison Control Centers' National Poison Data  
System (NPDS): 38th Annual Report. Clinical Toxicology. 2021;59  
(12):1282-1501" -  
20320856 - Fentanyl;Herbals\Mitragynine;Oxycodone  
Product Used For Unknown Indication Drug Abuse Serious  
Died;Other Outcomes Male - 11-JAN-2022 Non-Expedited  
46 YR Not Specified Apotex Healthcare Professional Not  
Specified - 03-JAN-2022 11-JAN-2022 US Not  
Specified US-APOTEX-2022AP000939 "Gummin DD, Mowry JB, Beuhler  
MC, Spyker DA, Bronstein AC, Rivers LJ, Pham NPT, Weber J. 2020 Annual  
Report of the American Association of Poison Control Centers' National  
Poison Data System (NPDS): 38th Annual Report. Clinical Toxicology.  
2021;59 (12):1282-1501" -  
20320466 - Gabapentin;Oxycodone;Herbals\Mitragynine  
Product Used For Unknown Indication Drug Abuse  
Serious Died;Other Outcomes Female - 11-JAN-2022  
Expedited 47 YR Not Specified Apotex Healthcare  
Professional Not Specified - 03-JAN-2022 11-JAN-2022  
US Not Specified US-APOTEX-2022AP000956 "Gummin DD,  
Mowry JB, Beuhler MC, Spyker DA, Bronstein AC, Rivers LJ, Pham NPT,  
Weber J. 2020 Annual Report of the American Association of Poison  
Control Centers' National Poison Data System (NPDS): 38th Annual  
Report. Clinical Toxicology. 2021;59 (12):1282-1501" -  
20320402 -  
Methamphetamine;Etizolam;Morphine;Gabapentin;Herbals\Mitragynine;Fenta  
nyl Product Used For Unknown Indication Drug Abuse  
Serious Died;Other Outcomes Female - 11-JAN-2022  
Expedited 32 YR Not Specified Apotex Healthcare  
Professional Not Specified - 03-JAN-2022 11-JAN-2022  
US Not Specified US-APOTEX-2022AP000577 "Gummin DD,  
Mowry JB, Beuhler MC, Spyker DA, Bronstein AC, Rivers LJ, Pham NPT,  
Weber J. 2020 Annual Report of the American Association of Poison  
Control Centers' National Poison Data System (NPDS): 38th Annual  
Report. Clinical Toxicology. 2021;59 (12):1282-1501" -  
20320849 - Herbals\Mitragynine Anxiety Blood Caffeine  
Increased;Hepatic Steatosis;Overdose;Obesity;Cardiovascular  
Disorder;Drug Screen Positive;Substance Use;Arteriosclerosis;Dilated  
Cardiomyopathy Serious Died Male 01-JUN-2021 10-JAN-2022  
Direct 38 YR Not Specified Fda-Ctu Healthcare  
Professional Not Specified Doxepin - 10-JAN-2022 Not  
Specified Not Specified - - -  
20318548 - Fentanyl;Herbals\Mitragynine Product Used



For Unknown Indication	Drug Abuse	Serious Other Outcomes;	Died
Male -	10-JAN-2022	Non-Expedited	50 YR Not
Specified Apotex	Healthcare Professional Not Specified	-	
03-JAN-2022	10-JAN-2022	US	Not Specified US-
APOTEX-2022AP001058 "Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Bronstein AC, Rivers LJ, Pham NPT, Weber J. 2020 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 38th Annual Report. Clinical Toxicology. 2021;59 (12):1282-1501" -			
20318403	-	Diazepam;Herbals\Mitragynine;Fentanyl	
Product Used For Unknown Indication	Drug Abuse	Serious	
Died;Other Outcomes	Male -	10-JAN-2022	Non-Expedited
31 YR Not Specified	Apotex	Healthcare Professional Not	
Specified -	03-JAN-2022	10-JAN-2022	US Not
Specified	US-APOTEX-2022AP000521	"Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Bronstein AC, Rivers LJ, Pham NPT, Weber J. 2020 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 38th Annual Report. Clinical Toxicology. 2021;59 (12):1282-1501" -	
20317763	-	Herbals\Mitragynine;Fentanyl	Product Used
For Unknown Indication	Drug Abuse	Serious Died;Other Outcomes	
Male -	10-JAN-2022	Non-Expedited	59 YR Not
Specified Apotex	Healthcare Professional Not Specified	-	
03-JAN-2022	10-JAN-2022	US	Not Specified US-
APOTEX-2022AP001214 "Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Bronstein AC, Rivers LJ, Pham NPT, Weber J. 2020 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 38th Annual Report. Clinical Toxicology. 2021;59 (12):1282-1501" -			
20315563	-	Herbals\Mitragynine;Fentanyl	Product Used
For Unknown Indication	Drug Abuse	Serious Died;Other Outcomes	
Male -	10-JAN-2022	Non-Expedited	22 YR Not
Specified Apotex	Healthcare Professional Not Specified	-	
03-JAN-2022	10-JAN-2022	US	Not Specified US-
APOTEX-2022AP000206 "Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Bronstein AC, Rivers LJ, Pham NPT, Weber J. 2020 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 38th Annual Report. Clinical Toxicology. 2021;59 (12):1282-1501" -			
20315459	-	Herbals\Mitragynine;Fentanyl	Product Used
For Unknown Indication	Drug Abuse	Serious Other Outcomes;	Died
Male -	10-JAN-2022	Non-Expedited	34 YR Not
Specified Apotex	Healthcare Professional Not Specified	-	
03-JAN-2022	10-JAN-2022	US	Not Specified US-
APOTEX-2022AP000644 "Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Bronstein AC, Rivers LJ, Pham NPT, Weber J. 2020 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 38th Annual Report. Clinical Toxicology. 2021;59 (12):1282-1501" -			
20309243	Alcohol (Alcohol)		

Alcohol;Herbals\Mitragynine;Fentanyl	Product Used For Unknown
Indication Drug Abuse Serious Died;Other Outcomes Female	
- 07-JAN-2022 Non-Expedited 36 YR Not Specified	
Apotex Healthcare Professional Not Specified - 03-	
JAN-2022 07-JAN-2022 US Not Specified US-	
APOTEX-2022AP000706 "Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Bronstein AC, Rivers LJ, Pham NPT, Weber J. 2020 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 38th Annual Report. Clinical Toxicology. 2021;59 (12):1282-1501" -	
20309076 -	
Oxymorphone;Fentanyl;Herbals\Mitragynine;Oxycodone	Product Used
For Unknown Indication Drug Abuse Serious Died;Other Outcomes	
Male - 07-JAN-2022 Non-Expedited 29 YR Not Specified	
Apotex Healthcare Professional Not Specified -	
03-JAN-2022 07-JAN-2022 US Not Specified US-	
APOTEX-2022AP000434 "Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Bronstein AC, Rivers LJ, Pham NPT, Weber J. 2020 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 38th Annual Report. Clinical Toxicology. 2021;59 (12):1282-1501" -	
20308589 -	
Fentanyl;Etizolam;Methocarbamol;Herbals\Mitragynine	Product Used
For Unknown Indication Drug Abuse Serious Other Outcomes;Died	
Male - 07-JAN-2022 Non-Expedited 35 YR Not Specified	
Apotex Healthcare Professional Not Specified -	
03-JAN-2022 07-JAN-2022 US Not Specified US-	
APOTEX-2022AP000674 "Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Bronstein AC, Rivers LJ, Pham NPT, Weber J. 2020 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 38th Annual Report. Clinical Toxicology. 2021;59 (12):1282-1501" -	
20306968 -	
Herbals\Mitragynine;Fentanyl	Product Used
For Unknown Indication Drug Abuse Serious Other Outcomes;Died	
Male - 07-JAN-2022 Non-Expedited 26 YR Not Specified	
Apotex Healthcare Professional Not Specified -	
03-JAN-2022 07-JAN-2022 US Not Specified US-	
APOTEX-2022AP000325 "Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Bronstein AC, Rivers LJ, Pham NPT, Weber J. 2020 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 38th Annual Report. Clinical Toxicology. 2021;59 (12):1282-1501" -	
20305852 -	
Herbals\Mitragynine	Stress Suicidal
Ideation;Apathy;Dependence	Serious Life Threatening;Required
Intervention Male 05-JAN-2022 06-JAN-2022 Direct 33 YR	
85.5 KG Fda-Ctu Consumer Not Specified - -	
06-JAN-2022 Not Specified Not Specified - -	
-	
20305631 -	
Herbals\Mitragynine;Clobazam;Fentanyl	
Product Used For Unknown Indication Drug Abuse Serious Other	

Outcomes;Died	Female	-	06-JAN-2022	Non-Expedited	29 YR
Not Specified	Apotex		Healthcare Professional	Not Specified	
-	03-JAN-2022		06-JAN-2022	US	Not Specified
US-APOTEX-2022AP000439 "Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Bronstein AC, Rivers LJ, Pham NPT, Weber J. 2020 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 38th Annual Report. Clinical Toxicology. 2021;59 (12):1282-1501" -					
20303503	-	Fentanyl;Methamphetamine Hydrochloride;Herbals\Mitragynine	Product Used For Unknown Indication		
Drug Abuse	Serious	Other Outcomes;Died	Male		
-	06-JAN-2022	Non-Expedited	24 YR	Not Specified	
Apotex	Healthcare Professional	Not Specified	-	03-JAN-2022	
06-JAN-2022	06-JAN-2022	US	Not Specified	US-	
APOTEX-2022AP000271 "Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Bronstein AC, Rivers LJ, Pham NPT, Weber J. 2020 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 38th Annual Report. Clinical Toxicology. 2021;59 (12):1282-1501" -					
20249147	-	Herbals\Mitragynine;Fentanyl;Diazepam	Product Used For Unknown Indication		
Drug Abuse	Serious	Died			
Male	-	29-DEC-2021	Expedited	31 YR	Not Specified
Bausch And Lomb Healthcare Professional	Not Specified				
-	23-DEC-2021	29-DEC-2021	US	Not Specified	
US-BAUSCH-BL-2021-042390 "Gummin D, Mowry J, Beuhler M, Spyker D, Bronstein A, Rivers L, Pham N, Weber J. 2020 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 38th Annual Report. Clinical Toxicology. 2021 DEC 10;59 (12):1282-1501. doi:10.1080/15563650.2021.1989785" -					
20235966		Heroin	Diamorphine;Herbals\Mitragynine;Codeine;Methamphetamine;Morphine Sulfate;6-Acetylmorphine		
Product Used For Unknown Indication					
Toxicity To Various Agents	Serious	Died	Male	-	
28-DEC-2021	Expedited	24 YR	Not Specified	Alkem	
Healthcare Professional	Not Specified	-	13-DEC-2021		
28-DEC-2021	TH	Not Specified	TH-ALKEM LABORATORIES		
LIMITED-TH-ALKEM-2021-07658 "Jittasopa W, Srisont S.. The Causes of Death and Pathological Findings of Kratom Users: A 5-Year Retrospective Analysis. Am J Forensic Med Pathol. 2021;42:335-34" -					
20232101	-	Herbals\Mitragynine	-		
Irritability;Insomnia;Seizure	Serious	Life Threatening;Required			
Intervention;Other Outcomes	Male	11-DEC-2021	24-DEC-2021		
Direct	40 YR	81 KG	Fda-Ctu Consumer	Not Specified	
Tylenol Pm	-	24-DEC-2021	Not Specified	Not Specified	
Specified	-	-	-		
20221796	-	Herbals\Mitragynine	Anxiety;Depression;Pain;Stress		
Seizure;Head Injury	Serious	Other			
Outcomes	Female	02-JUL-2021	22-DEC-2021	Direct	30 YR
90 KG	Fda-Ctu Consumer	Not Specified	-	-	

22-DEC-2021	Not Specified	Not Specified	-	-
20208437	-	Herbals\Mitragynine	Product Used For	
Unknown Indication		Toxicity To Various Agents;Loss Of		
Consciousness;Intentional Product Use Issue;Alcohol				
Poisoning;Accidental Overdose	Serious	Died	Male	21-JUL-2021
16-DEC-2021	Direct	31 YR	Not Specified	Fda-Ctu
Healthcare Professional	Not Specified	Vitamin		
D3;Vraylar;Modafinil;Lunesta	-	16-DEC-2021	Not Specified	
Not Specified	-	-	-	
20193494	-	Herbals\Mitragynine	Anxiety;Back	
Pain;Post-Traumatic Stress Disorder		Substance		
Use;Aggression;Serotonin Syndrome;Feeling Abnormal;Physical				
Assault;Legal Problem;Anger;Screaming;Agitation;Glassy				
Eyes;Flushing;Influenza Like Illness	Serious	Other Outcomes	Male	
27-SEP-2021	15-DEC-2021	Direct	57 YR	72 KG Fda-
Ctu Consumer	Not Specified	-	-	15-DEC-2021
Not Specified	Not Specified	-	-	-
20174607	-	Herbals\Mitragynine	-	Toxicity To
Various Agents	Serious	Died	Male	09-JAN-2018
Direct	27 YR	Not Specified	Fda-Ctu	Healthcare
Professional	Not Specified	-	-	10-DEC-2021
Specified	Not Specified	-	-	Not
20169082	-	Herbals\Mitragynine	-	Substance
Use;Toxicologic Test Abnormal;Psychotic Disorder;Gun Shot				
Wound;Completed Suicide	Serious	Died	Male	02-OCT-2020
DEC-2021	Direct	32 YR	Not Specified	Fda-Ctu
Professional	Not Specified	Lexapro;Ibuprofen	-	09-
DEC-2021	Not Specified	Not Specified	-	-
20169079	-	Herbals\Mitragynine	-	Toxicity To
Various Agents;Substance Use	Serious	Died	Male	-
DEC-2021	Direct	42 YR	Not Specified	Fda-Ctu
Professional	Not Specified	Clonazepam	-	09-DEC-2021
Not Specified	Not Specified	-	-	-
20164217	"Dextroamphetamine Saccharate, Amphetamine Aspartate, Dextroamphetamine Sulfate And Amphetamine Sulfate"			
Benzoylecgonine;Amphetamine Aspartate\Amphetamine				
Sulfate\Dextroamphetamine Saccharate\Dextroamphetamine				
Sulfate;Midazolam;Ketamine;Herbals\Mitragynine;Acetaminophen;Cocaine				
Product Used For Unknown Indication		Toxicity To Various		
Agents;Hydrocephalus;Unresponsive To Stimuli		Serious Died;Other		
Outcomes	Male	-	09-DEC-2021	Expedited
Not Specified	Specgx	Healthcare Professional	Not Specified	30 YR
-	29-NOV-2021	09-DEC-2021	US	Not Specified
US-SPECGX-T202102673	"Krotulski AJ, Papsun DM, Chronister			
CW, Homan J, Crosby MM, Hoyer J et al. Eutylone intoxications-An				
emerging synthetic stimulant in forensic investigations. Journal of				
Analytical Toxicology. 2021;45:8-20"	-			
20170679	-	Herbals\Mitragynine	-	Accidental
Death;Toxicity To Various Agents		Serious Died	Male	-

08-DEC-2021	Direct	30 YR	Not Specified	Fda-Ctu	Not Specified	Not
Specified	Not Specified	-	-	08-DEC-2021	Not	
Specified	Not Specified	-	-	-		
20161037	-	Herbals\Mitragynine	-	Toxicity To		
Various Agents;Illness;Accidental Death	Serious	Died	Male	27-		
MAY-2020	08-DEC-2021	Direct	26 YR	Not Specified	Fda-	
Ctu	Healthcare Professional	Not Specified				
Gabapentin;Flualprazolam;Fluoxetine	-	08-DEC-2021	Not			
Specified	Not Specified	-	-	-		
20152947	-	Herbals\Mitragynine	Affective			
Disorder;Pain	Skin					
Discolouration;Nausea;Tremor;Blepharospasm;Vomiting;Seizure						
Serious Other Outcomes	Not Specified	12-JUN-2019	06-DEC-2021			
Direct	41 YR	107.1 KG	Fda-Ctu Consumer	Not		
Specified	-	-	06-DEC-2021	Not Specified	Not	
Specified	-	-	-			
20108152	-	Herbals\Mitragynine	-	Unresponsive		
To Stimuli;Autopsy;Pulmonary Congestion;Pulmonary Oedema;Herbal						
Toxicity	Serious	Died	Male	26-SEP-2020	23-NOV-2021	
Direct	34 YR	Not Specified	Fda-Ctu Healthcare			
Professional	Not Specified	-	-	23-NOV-2021	Not	
Specified	Not Specified	-	-	-		
20107136	-	Herbals\Mitragynine	-	Death		
Serious	Died	Male	-	23-NOV-2021	Direct	28 YR
Specified	Fda-Ctu Consumer	Not Specified	-	-	-	-
23-NOV-2021	Not Specified	Not Specified	-	-	-	-
-						
20101858	-	Garlic;Herbals\Mitragynine;Unspecified				
Ingredient	Product Used For	Unknown Indication				
Hallucination;Eye Disorder;Illness;Taste Disorder			Serious			
Hospitalized	Male	22-NOV-2021	22-NOV-2021	Direct	35 YR	
81 KG	Fda-Ctu Consumer	Not Specified				
Seroquel;Vistaril;Wellbutrin;Flexeril;Zoloft;Buspar;Naltrexone	-					
22-NOV-2021	Not Specified	Not Specified	-	-		
Yes						
20090573	-	Herbals\Mitragynine	Depression;Pain;Post-			
Traumatic Stress Disorder	Completed Suicide;Hallucination;Drug					
Dependence	Serious Disabled;Died	Male	21-OCT-2021	18-		
NOV-2021	Direct	35 YR	108 KG	Fda-Ctu Consumer	Not	
Specified	-	-	18-NOV-2021	Not Specified	Not	
Specified	-	-	-			
20085440	-	Herbals\Mitragynine	Anxiety;Pain			
Suicidal Ideation;Seizure;Drug Dependence;Depression;Decreased						
Appetite	Serious Disabled;Required Intervention;Other					
Outcomes;Hospitalized;Life Threatening	Male	19-OCT-2021	17-			
NOV-2021	Direct	35 YR	67.5 KG	Fda-Ctu Consumer	Not	
Specified	Vimpat;Paxil	-	17-NOV-2021	Not Specified		
Not Specified	-	-	-			
20057238	-	Herbals\Mitragynine	Affective			
Disorder;Asthenia;Pain	Decreased Appetite;Liver Function Test					

Abnormal;Tachycardia;Hypertension;Nausea	Serious	Hospitalized
Female 05-NOV-2021 10-NOV-2021	Direct	43 YR 112.1
KG Fda-Ctu Healthcare Professional Not Specified	-	-
10-NOV-2021 Not Specified Not Specified	-	-
-		
20054812 - Herbals\Mitragynine	Depression;Pain	
Gastrointestinal Disorder;Panic Attack;Hot Flush;Withdrawal		
Syndrome;Anger;Insomnia;Rash;Restlessness;Depression;Anxiety;Malaise;D		
ependence;Nausea;Constipation;Vomiting		
Projectile;Acne;Hyperhidrosis;Irritability	Serious	Disabled
Female 26-DEC-2020 10-NOV-2021	Direct	22 YR 55.35
KG Fda-Ctu Consumer Not Specified	Vitamin	
B12;Trazodone;Probiotics Nos;Ambien;Fiber Nos;Wellbutrin;Ativan -		
10-NOV-2021 Not Specified Not Specified	-	-
-		
20016482 - Herbals\Mitragynine	-	Hand
Fracture;Seizure;Herbal Toxicity	Serious	Died
JUN-2020 03-NOV-2021 Direct 26 YR	Not Specified	Male 21-
Ctu Healthcare Professional Not Specified	Vicodin	Fda-03-
NOV-2021 Not Specified Not Specified	-	-
20015427 - Herbals\Mitragynine	Insomnia	
Myoclonus;Monoplegia	Serious	Other Outcomes
30-OCT-2021 Direct 56 YR 67.95 KG	Male	25-OCT-2021
Healthcare Professional Not Specified	Olmesartan;Quetiapine	-
30-OCT-2021 Not Specified Not Specified	-	-
-		
19990708 - Herbals\Mitragynine	Product	Used For
Unknown Indication	Dependence;Product Formulation	Issue;Substance
Use;Euphoric Mood	Serious	Other Outcomes
24-OCT-2021 Direct 48 YR 89.55 KG	Female	22-OCT-2021
Consumer Consumer Vitamin D;Vitamin B	-	Fda-Ctu
OCT-2021 US Not Specified - -	-	24-
19984837 - Alprazolam;Herbals\Mitragynine	-	
Incoherent;Hallucination;Mental Status Changes;Aggression		
Serious Hospitalized;Life Threatening	Male	-
Expedited 31 YR Not Specified	Pfizer	Healthcare
Professional Not Specified - 11-OCT-2021		22-OCT-2021
US Not Specified US-PFIZER		
INC-202101352630 "Natarajan, V.. A DRUG ADDICT'S KRYPTONITE.		
Chest. 2021;160(4 Suppl):685A" -		
19974115 - Herbals\Mitragynine	-	Restless Legs
Syndrome;Alcoholism;Brain Fog;Aggression;Liver		
Injury;Nausea;Anxiety;Dependence;Insomnia;Yellow Skin	Serious	Other
Outcomes Male 20-OCT-2021 20-OCT-2021	Direct	39 YR
103.5 KG Fda-Ctu Consumer Consumer		-
- 20-OCT-2021 US Not Specified	-	-
-		
19962945 - Herbals\Mitragynine;Acetaminophen		
Product Used For Unknown Indication	Liver Injury;Drug Interaction	
Serious Other Outcomes;Hospitalized	Male	-
		18-

OCT-2021	Expedited	44 YR	80 KG	Apotex	Healthcare	
Professional	Not Specified					
Desvenlafaxine;	Indapamide;	Perindopril;	Vitamins	12-OCT-2021	18-	
OCT-2021	CA	Not Specified	CA-APOTEX-2021AP044305	-		
-						
19962621	-	Herbals\Mitragynine	Pain	Substance Use		
Serious	Died	Male	02-OCT-2021	13-OCT-2021	Direct	
64 YR	104.33 KG	Fda-Ctu	Healthcare	Professional	Health	
Professional						
Losartan;	Atorvastatin;	Omeprazole;	Crestor;	Lyrica;	Duloxetine;	Bupropion
Hydrochloride	-	13-OCT-2021	US	Not Specified	-	
-	-					
19958720	-	Herbals\Mitragynine	-	Death		
Serious	Died	Not Specified	-	12-OCT-2021	Direct	Not
Specified	Not Specified	Fda-Ctu	Consumer		Not Specified	
-	-	12-OCT-2021	US	Not Specified	-	
-	-					
19928265	-	Herbals\Mitragynine	Neuralgia	Drug		
Screen Positive	Serious	Other Outcomes	Female	22-SEP-2021	06-	
OCT-2021	Direct	60 YR	69.75 KG	Fda-Ctu	Consumer	
Consumer	-	-	06-OCT-2021	US	Y	
-	-	-				
19912316	-	Herbals\Mitragynine	Anxiety	Abdominal Pain		
Upper;	Salmonellosis;	Migraine;	Nausea;	Pyrexia;	Vomiting	Serious
Outcomes	Female	02-SEP-2021	03-OCT-2021	Direct	50 YR	Other
72 KG	Fda-Ctu	Consumer	Consumer	Paxil;	Vitamin	
B12;	Magnesium	-	03-OCT-2021	US	Not Specified	-
-	Yes					
19871032	-					
Gabapentin;	Herbals\Mitragynine;	Morphine;	Codeine	Product Used For		
Unknown Indication	Pulmonary Congestion;	Accidental				
Poisoning;	Unresponsive To Stimuli;	Foaming At Mouth		Serious		
Died;	Other Outcomes	Male	-	23-SEP-2021	Expedited	
25 YR	Not Specified	Aurobindo		Healthcare		
Professional	Not Specified					
Cyclobenzaprine;	Zolpidem;	Sertraline;	Clonidine;	Mirtazapine;	Trazodone	
13-SEP-2021	23-SEP-2021	US	Not Specified	US-		
AUROBINDO-AUR-APL-2021-039327	"Bishop-Freeman SC, Fox L, Winecker					
RE, Hudson JS..	Death from poppy tea consumption..	Journal of				
Analytical Toxicology.	2020;44(7):734-740"	-				
19872781	-	Herbals\Mitragynine	-			
Chromaturia;	Hyperhidrosis;	Abdominal Pain	Upper;	Overdose;	Hepatic	
Failure	Serious	Other Outcomes;	Hospitalized	Male	-	22-
SEP-2021	Direct	Not Specified	Not Specified	Fda-Ctu		
Healthcare	Professional	Health	Professional	-	-	22-
SEP-2021	US	Not Specified	-	-	-	
19854041	Hydrocodone	Bitartrate	And	Acetaminophen;	Escitalopram	
Escitalopram						
Oxalate;	Herbals\Mitragynine;	Alprazolam;	Hydrocodone;	Acetaminophen\Hydro		
codone	Bitartrate;	Oxycodone;	Tramadol	Anxiety;	Back	

Pain;Depression;Intervertebral Disc Degeneration;Product Used For  
 Unknown Indication Drug Ineffective;Intentional Product  
 Misuse;Intentional Overdose;Drug Use Disorder;Drug Tolerance  
 Serious Other Outcomes Male - 20-SEP-2021 Expedited  
 47 YR Not Specified Aurobindo Healthcare  
 Professional Not Specified  
 Hydroxyzine;Buprenorphine\Naloxone;Duloxetine 06-SEP-2021 20-  
 SEP-2021 US Not Specified US-AUROBINDO-AUR-  
 APL-2021-038857 "Bowe A, Kerr PL.. A Complex Case of Kratom  
 Dependence, Depression, and Chronic Pain in Opioid Use Disorder:  
 Effects of Buprenorphine in Clinical Management. JOURNAL OF  
 PSYCHOACTIVE DRUGS. 2020;52(5):447-452" -  
 19855250 - Herbals\Mitragynine - Drug  
 Dependence Non-Serious Non-Serious Female - 19-  
 SEP-2021 Direct Not Specified Not Specified Fda-Ctu  
 Consumer Consumer - - 19-SEP-2021 US  
 Not Specified - - -  
 19831043 Zolpidem;Trazodone Trazodone  
 Hydrochloride;Herbals\Mitragynine;Zolpidem  
 Tartrate;Gabapentin;Codeine;Thebaine;Morphine Product Used For  
 Unknown Indication Toxicity To Various Agents;Accidental  
 Overdose;Accidental Poisoning Serious Other Outcomes;Died Male  
 - 15-SEP-2021 Expedited 25 YR Not Specified  
 Apotex Healthcare Professional Not Specified  
 Clonidine;Mirtazapine;Sertraline;Cyclobenzaprine 03-SEP-2021  
 15-SEP-2021 US Not Specified US-APOTEX-2021AP042496  
 "Bishop-Freeman SC, Fox L, Winecker RE, Hudson JS. Death from  
 Poppy Tea Consumption. Journal of Analytical Toxicology.  
 2020;44(7):734-740" -  
 19829752 - Herbals\Mitragynine - Pulseless  
 Electrical Activity;Unresponsive To Stimuli;Brain Injury;Cardiac  
 Arrest Serious Other Outcomes;Hospitalized;Life Threatening;Disabled  
 Male 11-SEP-2021 14-SEP-2021 Direct 21 YR 110.5  
 KG Fda-Ctu Healthcare Professional Health Professional -  
 - 14-SEP-2021 US Not Specified - -  
 -  
 19821099 -  
 Herbals\Mitragynine;Thebaine;Diphenhydramine;Hydromorphone;Morphine;Co  
 deine Product Used For Unknown Indication Accidental  
 Poisoning;Accidental Overdose;Toxicity To Various Agents  
 Serious Other Outcomes;Died Male - 13-SEP-2021  
 Expedited 25 YR Not Specified Apotex Healthcare  
 Professional Not Specified Bupropion;Aripiprazole 03-SEP-2021  
 13-SEP-2021 US Not Specified US-APOTEX-2021AP042497  
 "Bishop-Freeman SC, Fox L, Winecker RE, Hudson JS. Death from  
 Poppy Tea Consumption. Journal of Analytical Toxicology.  
 2020;44(7):734-740" -  
 19813199 Escitalopram Escitalopram  
 Oxalate;Acetaminophen\Hydrocodone  
 Bitartrate;Hydrocodone;Oxycodone;Herbals\Mitragynine;Tramadol;Alprazol



am Anxiety;Back Pain;Depression;Drug Withdrawal  
 Syndrome;Intervertebral Disc Degeneration Drug Withdrawal  
 Syndrome;Fatigue;Rhinorrhoea;Intentional Product  
 Misuse;Pain;Restlessness;Anxiety;Hyperhidrosis;Drug Use  
 Disorder;Abdominal Pain;Psychomotor Hyperactivity;Affective  
 Disorder;Arthralgia;Withdrawal Syndrome;Depression;Back  
 Pain;Yawning;Drug Dependence;Drug Ineffective Serious Hospitalized  
 Male - 10-SEP-2021 Expedited 5 DEC Not  
 Specified Mylan Healthcare Professional Not Specified -  
 31-AUG-2021 10-SEP-2021 US Not Specified US-  
 MYLANLABS-2021M1059798 "Bowe A, Kerr PL. A Complex Case of Kratom  
 Dependence, Depression, and Chronic Pain in Opioid Use Disorder:  
 Effects of Buprenorphine in Clinical Management. J-Psychoactive-Drugs  
 2020;52(5):447-452." -  
 19810602 - Codeine;Hydromorphone  
 Hydrochloride;Herbals\Mitragynine;Morphine - Pulmonary  
 Oedema;Toxicity To Various Agents Serious Died Male -  
 09-SEP-2021 Expedited 25 YR Not Specified Pfizer  
 Healthcare Professional Not Specified  
 Bupropion;Diphenhydramine  
 Hydrochloride;Thebaine;Atracurium;Aripiprazole 28-AUG-2021 09-  
 SEP-2021 US Not Specified US-PFIZER INC-202101132415  
 "Bishop-Freeman, S.. Death from poppy tea consumption. Journal  
 of Analytical Toxicology. 2020;44(7):734-740" -  
 19808931 Sertraline;Trazodone;Hydroxyzine;Zolpidem  
 Hydroxyzine Hydrochloride;Zolpidem  
 Tartrate;Gabapentin;Cyclobenzaprine;Clonidine;Morphine;Trazodone  
 Hydrochloride;Thebaine;Codeine;Mirtazapine;Herbals\Mitragynine;Sertral  
 ine Hydrochloride Product Used For Unknown Indication  
 Accidental Poisoning Serious Died Male - 09-SEP-2021  
 Expedited 25 YR Not Specified Novartis  
 Healthcare Professional Not Specified - 06-SEP-2021 09-  
 SEP-2021 US Not Specified  
 NVSC2021US203910 "Bishop-Freeman SC, Fox L, Winecker RE, Hudson  
 JS. Death from poppy tea consumption. JOURNAL OF ANALYTICAL  
 TOXICOLOGY. 2020;44:734-40" -  
 19807588 - Herbals\Mitragynine Drug Dependence  
 Socioeconomic Precarity;Drug Dependence;Theft Serious Required  
 Intervention Male - 08-SEP-2021 Direct Not Specified  
 Not Specified Fda-Ctu Consumer Consumer Motrin  
 - 08-SEP-2021 US Not Specified - -  
 -  
 19787993 Trazodone Trazodone  
 Hydrochloride;Mirtazapine;Morphine;Sertraline  
 Hydrochloride;Herbals\Mitragynine;Cyclobenzaprine;Clonidine;Gabapentin  
 ;Codeine;Hydroxyzine Pamoate;Zolpidem Tartrate - Respiratory  
 Depression;Toxicity To Various Agents;Pulmonary Congestion  
 Serious Other Outcomes;Died Male - 03-SEP-2021  
 Expedited 25 YR Not Specified Pfizer Healthcare  
 Professional Not Specified - 28-AUG-2021 03-SEP-2021

US	Not Specified	US-PFIZER
INC-202100929819	"Bishop-Freeman, S.. Death from poppy tea consumption. Journal of Analytical Toxicology. 2020;44(7):734-740"	
19749424	-	Herbals\Mitragynine - Withdrawal Syndrome;Generalised Tonic-Clonic Seizure;Road Traffic Accident
Serious Other Outcomes	Male	04-FEB-2018 25-AUG-2021 Direct
35 YR	Not Specified	Fda-Ctu Consumer Consumer
-	-	25-AUG-2021 US Not Specified -
19745347	-	Herbals\Mitragynine Anxiety;Pain Drug
Withdrawal Syndrome	Non-Serious	Non-Serious Female -
24-AUG-2021	Direct	35 YR 68.4 KG Fda-Ctu Consumer
Consumer	-	24-AUG-2021 US Not
Specified	-	-
19744967	-	Herbals\Mitragynine Drug Dependence
Toxicity To Various Agents;Seizure	Serious	Died Male 21-
JUN-2020	24-AUG-2021	Direct 27 YR 67.5 KG Fda-Ctu
Consumer	Consumer	- 24-AUG-2021 US
Not Specified	-	-
19744942	-	Herbals\Mitragynine Anxiety;Depression
Pancreatitis;Pain;Dizziness;Dependence;Libido		
Decreased;Fatigue;Headache;Urticaria;Hypersensitivity	Serious	Other Outcomes
Outcomes;Hospitalized;Life Threatening;Required Intervention;Disabled		
Male	01-JAN-2020	24-AUG-2021 Direct 43 YR 72 KG
Fda-Ctu Consumer	Consumer	- 24-
AUG-2021	US	Not Specified -
18890962	-	Herbals\Mitragynine;Tramadol Asthma;Back
Pain;Depression;Pain;Product Used For Unknown Indication		Drug
Use Disorder;Drug Abuse;Drug Dependence	Serious	Other Outcomes Male
-	21-AUG-2021	Expedited 31 YR Not Specified
Aurobindo	Healthcare Professional	Not Specified
Gabapentin;Albuterol;Escitalopram	09-AUG-2021	15-FEB-2021
US	Not Specified	US-AUROBINDO-AUR-APL-2021-005338
"Kalin S, Dakhalla S, Bhardwaj S.. Treatment for kratom abuse in a contingency-management-based MAT setting: A case series.. J-Opioid-Manag. 2020;16(5):391-394"	-	
18457982	Valacyclovir;Valtrex	Valacyclovir
Hydrochloride;Valacyclovir		
Hydrochloride;Loratadine;Herbals\Mitragynine;Acetaminophen\Methocarbamol;Diphenhydramine;Albuterol;Acetaminophen\Codeine		
Phosphate\Methocarbamol;Citalopram;Ranitidine;Methocarbamol		
Product Used For Unknown Indication	Caesarean Section;Live	
Birth;Maternal Exposure During Pregnancy	Serious	Other Outcomes
Female	-	18-AUG-2021 Expedited 37 YR Not
Specified	Apotex	Healthcare Professional Not Specified -
05-AUG-2021	03-NOV-2020	CA Not Specified CA-
APOTEX-2020AP020693	-	-
19708082	-	Herbals\Mitragynine Anxiety
Asthenia;Tremor;Gait Inability	Serious	Other Outcomes Male 25-

DEC-2020	17-AUG-2021	Direct	69 YR	94.5 KG	Fda-Ctu	
Consumer	Consumer	Aspirin;Lipitor;Lisinopril;Metoprolol				
-	17-AUG-2021	US	Not Specified	-	-	
-						
18290048	Valacyclovir;Valtrex	Valacyclovir				
Hydrochloride;Albuterol;Acetaminophen;Herbals\Mitragynine;Valacyclovir						
Hydrochloride;Citalopram;Diphenhydramine;Ranitidine;Loratadine;Methocarbamol;Acetaminophen\Codeine Phosphate\Methocarbamol	Product Used					
For Unknown Indication	Foetal Exposure During Pregnancy;Drug					
Withdrawal Syndrome Neonatal	Serious Other Outcomes;Hospitalized					
Female	-	17-AUG-2021	Expedited	Not Specified		
3 KG	Apotex	Healthcare Professional	Not Specified			
Citalopram	05-AUG-2021	21-SEP-2020	CA	Not Specified		
CA-APOTEX-2020AP017746	-	-				
19704407	-	Herbals\Mitragynine	-	No Adverse		
Event;Product Use In Unapproved Indication			Non-Serious	Non-		
Serious Not Specified	-	14-AUG-2021	Direct	Not Specified		
79.38 KG	Fda-Ctu	Healthcare Professional	Health			
Professional	-	-	14-AUG-2021	US	Not Specified	
-	-	-				
19703810	-	Herbals\Mitragynine	Product Used For			
Unknown Indication	Asthenia;Asocial					
Behaviour;Depression;Withdrawal Syndrome;Anxiety;Restless Legs						
Syndrome	Serious Other Outcomes	Male	04-AUG-2021	14-		
AUG-2021	Direct	44 YR	83.25 KG	Fda-Ctu	Consumer	
Consumer	Ambien;Lexapro;Vitamin					
D;Singulair;Ademetionine;Omega-3 Fatty Acids;Magnesium	-	14-				
AUG-2021	US	Not Specified	-	-	-	
19695287	-	Herbals\Mitragynine	Depression	Drug		
Dependence	Serious Disabled;Life Threatening;Required					
Intervention	Male	10-AUG-2021	12-AUG-2021	Direct	40 YR	
74.25 KG	Fda-Ctu	Consumer	Consumer	-		
-	12-AUG-2021	US	Not Specified	-	-	
-						
19695260	-	Herbals\Mitragynine	Anxiety Autoimmune			
Encephalopathy	Serious Disabled;Life Threatening;Hospitalized	Male				
18-JAN-2018	12-AUG-2021	Direct	57 YR	78.75 KG		
Fda-Ctu	Consumer	Consumer	Lipitor;Nexium	-		
12-AUG-2021	US	Not Specified	-	-	-	
19685184	-	Herbals\Mitragynine	-	Accidental		
Death;Toxicity To Various Agents	Serious	Died	Male	30-		
AUG-2020	10-AUG-2021	Direct	38 YR	Not Specified	Fda-	
Ctu	Healthcare Professional	Health Professional	-	-		
10-AUG-2021	US	Not Specified	-	-	-	
19685154	-	Herbals\Mitragynine	-	Death		
Serious Died	Male	21-APR-2021	10-AUG-2021	Direct	26 YR	
Not Specified	Fda-Ctu	Healthcare Professional	Health			
Professional	-	-	10-AUG-2021	US	Not Specified	
-	-	-				
19685083	-	Herbals\Mitragynine	-	Toxicity To		

Various Agents;Diabetic Ketosis;Hypertension;Starvation  
Ketoacidosis;Seizure;Aspiration;Arteriosclerosis Coronary Artery  
Serious Died Male 21-FEB-2021 10-AUG-2021 Direct  
26 YR Not Specified Fda-Ctu Healthcare Professional Health  
Professional - - 10-AUG-2021 US Not Specified  
- - -  
19673405 - Herbals\Mitragynine - Anxiety;Loss  
Of Personal Independence In Daily Activities;Poor Personal  
Hygiene;Delusion;Asocial Behaviour Serious Disabled Female  
15-MAR-2020 07-AUG-2021 Direct 31 YR 54.45 KG  
Fda-Ctu Healthcare Professional Health Professional -  
- 07-AUG-2021 US Not Specified - -  
-  
19666831 - Herbals\Mitragynine Anxiety Ejaculation  
Disorder;Libido Disorder Serious Other Outcomes Female 04-  
AUG-2021 06-AUG-2021 Direct 36 YR 63 KG Fda-Ctu  
Consumer Consumer - - 06-AUG-2021 US  
Not Specified - - -  
18855338 - Herbals\Mitragynine;Tramadol  
Anxiety;Depression;Detoxification;Drug Dependence;Pain Drug  
Dependence;Drug Abuse;Drug Use Disorder Serious Other Outcomes Male  
2013 04-AUG-2021 Expedited 31 YR Not Specified  
Lupin Healthcare Professional Not Specified  
Escitalopram;Venlafaxine 23-JUL-2021 06-FEB-2021 US  
Not Specified US-LUPIN PHARMACEUTICALS INC.-2021-01191  
"Kalin S, Dakhalla S, Bhardwaj S. Treatment for kratom abuse  
in a contingency-management-based MAT setting: A case series. Journal  
of Opioid Management. 2020;16(5):391-394" -  
19646974 - Naloxone;Diphenhydramine;Herbals\Mitragynine  
Product Used For Unknown Indication Hypoxic-Ischaemic  
Encephalopathy;Drug Abuse Serious Other  
Outcomes;Hospitalized;Died Male - 02-AUG-2021  
Expedited 27 YR Not Specified Apotex Healthcare  
Professional Not Specified - 19-JUL-2021 02-AUG-2021  
CA Not Specified CA-APOTEX-2021AP023854 "Solbeck P,  
Woodall KL, Martin TL.. Strategic Decision-Making by a Forensic  
Toxicology Laboratory in Response to an Emerging NPS: Detection,  
Quantitation, and Interpretation of Carfentanil in Death  
Investigations in Ontario, Canada, July 2017 to June 2018.. Journal of  
Analytical Toxicology. 2021" -  
19645353 - Herbals\Mitragynine Pain Drug  
Dependence;Withdrawal Syndrome Non-Serious Non-Serious Female  
01-JUN-2018 31-JUL-2021 Direct 37 YR 96.75 KG  
Fda-Ctu Consumer Consumer - - 31-  
JUL-2021 US Not Specified - - -  
19645350 - Herbals\Mitragynine Product Used For  
Unknown Indication Agitation;Kidney Infection;Dyspnoea;Drug  
Abuser;Mood Swings;Weight Decreased Non-Serious Non-Serious  
Male 20-JUL-2021 30-JUL-2021 Direct Not Specified  
Not Specified Fda-Ctu Consumer Consumer

Gabapentin	-	30-JUL-2021	US	Not Specified	-
19628225	Remeron;Hydroxyzine;Trazodone;Zolpidem;Sertraline				
	Sertraline Hydrochloride;Morphine;Codeine;Gabapentin;Zolpidem				
	Tartrate;Trazodone Hydrochloride;Thebaine;Mirtazapine;Hydroxyzine				
	Hydrochloride;Herbals\Mitragynine;Clonidine;Cyclobenzaprine				-
	Drug Abuse	Serious	Other Outcomes	Male	29-
JUL-2021	Expedited	25 YR	Not Specified	Organon	
Healthcare Professional	Not Specified	-	19-JUL-2021	29-	
JUL-2021	US	Not Specified	US-ORGANON-02107USA001983		
	"Bishop-Freeman SC, Fox L, Winecker RE, Hudson JS. Death from poppy tea consumption. Journal of Analytical Toxicology. 2020;44(7):734-40"				
19619958	Herbals\Mitragynine	Anxiety;Pain			
	Withdrawal Syndrome;Mood Swings;Anxiety;Personality				
	Change;Agitation;Dependence;Decreased Appetite	Serious Disabled			
	Male	27-JUL-2021	Direct	Not Specified	Not
Specified	Fda-Ctu Consumer	Consumer	-	-	-
27-JUL-2021	US	Not Specified	-	-	-
19613435	Herbals\Mitragynine	Drug Dependence	Drug		
	Dependence;Vomiting;Headache;Withdrawal Syndrome;Gastrointestinal				
	Disorder	Serious Disabled;Required Intervention	Male	01-	
JAN-2021	26-JUL-2021	Direct	29 YR	67.5 KG	Fda-Ctu
Consumer	Consumer	-	-	26-JUL-2021	US
	Not Specified	-	-	-	-
19608140	Herbals\Mitragynine	Anxiety	Pulmonary		
Oedema;Overdose	Serious	Died	Male	26-SEP-2020	25-JUL-2021
	Direct	34 YR	90.45 KG	Fda-Ctu	Consumer
Consumer	-	-	25-JUL-2021	US	Not Specified
-	-	-			
19597761	Herbals\Mitragynine;Oxycodone;Yohimbine;Alprazolam;Buprenorphine				
	Product Used For Unknown Indication	Respiratory			
	Arrest;Cardiac Arrest	Serious	Other Outcomes;Hospitalized;Died		
	Male	23-JUL-2021	Expedited	29 YR	Not
Specified	Aurobindo	Healthcare Professional	Not Specified		
-	12-JUL-2021	23-JUL-2021	US	Not Specified	
	US-AUROBINDO-AUR-APL-2021-030561 "Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Brooks DE, Dibert KW; et al.. 2019 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 37th Annual Report. Clinical Toxicology. 2020;58 (12):1360-1541"				
19587510	Herbals\Mitragynine	Narcolepsy			
	Product Use Issue;Respiratory Depression;Herbal Toxicity				
	Serious	Died	Male	21-JUL-2021	Direct
KG	Fda-Ctu	Consumer	Consumer	31 YR	76.5
Lunesta;Modafinil;Vitamin D3	-	21-JUL-2021	US	Not	
Specified	-	-	-		
19585434	Methadone	Methadone			
	Hydrochloride;Herbals\Mitragynine;Fentanyl	Product Used For			

Unknown Indication	Drug Abuse	Serious Died;Other Outcomes
Male -	21-JUL-2021	Expedited 29 YR Not
Specified Aurobindo	Healthcare Professional	Not Specified
- 12-JUL-2021	21-JUL-2021	US Not Specified
US-AUROBINDO-AUR-APL-2021-030562 "Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Brooks DE, Dibert KW; et al.. 2019 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 37th Annual Report. Clinical Toxicology. 2020;58 (12):1360ñ1541" -		
19561943 -	Herbals\Mitragynine	Depression
Aggression;Product Complaint;Depression;Illness;Vitamin B12 Deficiency;Memory Impairment;Brain Fog;Confusional State;Delirium;Anxiety Serious Disabled;Hospitalized Female 13- APR-2020 16-JUL-2021 Direct 26 YR 64.35 KG Fda- Ctu Consumer Consumer Vitamin D;Gabapentin;Vitamin B12;Advil - 16-JUL-2021 US Not Specified -		
19518304 -	Herbals\Mitragynine	- Withdrawal
Syndrome;Maternal Drugs Affecting Foetus Serious Hospitalized;Required Intervention Not Specified 10-JUL-2021 11-JUL-2021 Direct Not Specified Not Specified Fda- Ctu Healthcare Professional Health Professional - - 11-JUL-2021 US Not Specified - - -		
19512063 -	Herbals\Mitragynine	Drug Dependence
Opiates Positive	Serious Other Outcomes	Female 05-JUL-2021
09-JUL-2021	Direct 50 YR	Not Specified Fda-Ctu
Consumer Consumer	- -	09-JUL-2021 US
Not Specified -	- -	-
19506583 Venlafaxine	Venlafaxine	
Hydrochloride;Herbals\Mitragynine	Anxiety Overdose	
Serious Died Male	01-JUN-2021	08-JUL-2021 Direct 38 YR
137.7 KG	Fda-Ctu Consumer	Consumer
Doxepin;Clonazepam -	08-JUL-2021	US Not Specified
- -	-	-
16593814 Valtrex Valacyclovir		
Hydrochloride;Ranitidine;Valacyclovir		
Hydrochloride;Herbals\Mitragynine;Methocarbamol;Citalopram;Albuterol;A cetaminophen;Loratadine;Diphenhydramine;Acetaminophen\Methocarbamol		
Product Used For Unknown Indication Maternal Exposure During Pregnancy;Caesarean Section;Drug Withdrawal Syndrome Neonatal;Live Birth;Foetal Exposure During Pregnancy Serious Other Outcomes;Hospitalized Female - 29-JUN-2021 Expedited 37 YR Not Specified Glaxosmithkline Healthcare Professional Not Specified - 09-JUN-2021 18-JUL-2019 CA Not Specified CA-GLAXOSMITHKLINE-CA2019AMR125655		
19460010 Valtrex Valacyclovir		
Hydrochloride;Albuterol;Loratadine;Acetaminophen\Methocarbamol;Ranitidine;Herbals\Mitragynine;Citalopram;Acetaminophen\Codeine Phosphate\Methocarbamol;Diphenhydramine;Methocarbamol		Product Used

For Unknown Indication Maternal Exposure During Pregnancy;Caesarean  
Section;Live Birth Serious Other Outcomes Female - 25-  
JUN-2021 Expedited 37 YR Not Specified Aurobindo  
Healthcare Professional Not Specified - 08-JUL-2019  
25-JUN-2021 CA Not Specified CA-AUROBINDO-AUR-  
APL-2019-041488 - -  
16607921 Valtrex Valacyclovir  
Hydrochloride;Methocarbamol;Acetaminophen\Codeine  
Phosphate\Methocarbamol;Acetaminophen;Diphenhydramine;Ranitidine;Albut  
erol;Valacyclovir  
Hydrochloride;Citalopram;Loratadine;Herbals\Mitragynine Product Used  
For Unknown Indication Drug Withdrawal Syndrome Neonatal;Foetal  
Exposure During Pregnancy Serious Hospitalized;Other Outcomes  
Female - 25-JUN-2021 Expedited Not Specified  
3 KG Aurobindo Healthcare Professional Not Specified  
- 18-JUN-2021 22-JUL-2019 CA Not Specified  
CA-AUROBINDO-AUR-APL-2019-041481 - -  
19455710 - Herbals\Mitragynine Drug Use Disorder  
Product Quality Issue;Swelling;Suspected Product  
Contamination;Malaise;Inflammation Serious Other Outcomes Male  
01-JUN-2021 24-JUN-2021 Direct 56 YR 94.5 KG Fda-  
Ctu Consumer Consumer  
Pomegranate;Reishi;Taurine;Herbals\Turmeric;Vitamin  
D3;Jwh-018;Herbals\Withania Somnifera Root;Vitamin B12;Theanine -  
24-JUN-2021 US Not Specified - - Yes  
16593812 -  
Loratadine;Herbals\Mitragynine;Acetaminophen;Methocarbamol;Acetaminoph  
en\Codeine  
Phosphate\Methocarbamol;Ranitidine;Albuterol;Diphenhydramine;Valacyclo  
vir Hydrochloride Product Used For Unknown Indication Foetal  
Exposure During Pregnancy;Drug Withdrawal Syndrome Neonatal  
Serious Other Outcomes;Hospitalized Female - 21-JUN-2021  
Expedited Not Specified 3 KG Glaxosmithkline  
Healthcare Professional Not Specified Citalopram 15-JUN-2021  
18-JUL-2019 CA Not Specified CA-GLAXOSMITHKLINE-  
CA2019AMR125644 - -  
19433030 Methadone Bucinnazine;Methadone  
Hydrochloride;Etizolam;Herbals\Mitragynine Product Used For  
Unknown Indication Somnolence;Unresponsive To  
Stimuli;Overdose;Mental Status Changes;Respiratory Depression  
Serious Other Outcomes Male - 18-JUN-2021 Expedited  
31 YR Not Specified Aurobindo Healthcare  
Professional Not Specified - 07-JUN-2021 18-JUN-2021  
US Not Specified US-AUROBINDO-AUR-APL-2021-025241  
"Yeh M, Krotulski A, Therriault C, Eisenstat MD, Nguyen H,  
Papsun D, et al.. Acute opioid overdose following nasal atomization of  
a novel designer opioid, 2-methyl AP-237, with potentiation of  
designer benzodiazepines, pyrazolam and clonazepam.. J-Med-Toxicol.  
2021;17:123" -  
19441229 - Herbals\Mitragynine

Anxiety;Depression;Insomnia	Death	Serious	Died	Male	21-
FEB-2021	17-JUN-2021	Direct	26 YR	78.75 KG	Fda-
Ctu Consumer	Consumer	-	-	-	17-JUN-2021
US	Not Specified	-	-	-	
19429282	-	Herbals\Mitragynine	-	Quality Of	
Life Decreased	Serious	Disabled;Life Threatening;Other			
Outcomes;Required Intervention;Hospitalized			Female	01-JUN-2021	
17-JUN-2021	Direct	Not Specified	Not Specified	Fda-	
Ctu Consumer	Consumer	-	-	17-JUN-2021	
US	Not Specified	-	-	-	
19397869	-	Herbals\Mitragynine	-	Hepatic Enzyme	
Increased	Serious	Hospitalized	Male	06-MAY-2021	09-
JUN-2021	Direct	52 YR	89.1 KG	Fda-Ctu Healthcare	
Professional	Health Professional	-	-	09-JUN-2021	
US	Not Specified	-	-	Yes	
19385905	-	Herbals\Mitragynine	Anxiety;Pain		
Tachycardia;Panic Attack;Tremor;Disorientation;Dizziness					
Serious Disabled;Hospitalized	Female	01-SEP-2019	05-JUN-2021		
Direct	33 YR	53.1 KG	Fda-Ctu Consumer	Consumer	
Promethazine;Herbals\Turmeric;Omeprazole;Xanax;Propranolol;Seroquel;Im					
itrex;Probiotics Nos;Vitamins;Wellbutrin;Fish					
Oil;Hydroxyzine;Ibuprofen;Melatonin	-		05-JUN-2021	US	
Not Specified	-	-	-		
19373032	-	Herbals\Mitragynine	Substance Use		
Product Quality Issue	Non-Serious	Non-Serious	Female	-	
04-JUN-2021	Direct	25 YR	58.97 KG	Fda-Ctu Not	
Specified	Not Specified	-	-	04-JUN-2021	US
Not Specified	-	-	-		
19372922	-	Herbals\Mitragynine			
Anxiety;Depression;Pain					
Depression;Delusion;Anxiety;Dependence;Completed Suicide					
Serious Died	Male	-	04-JUN-2021	Direct	60 YR
KG	Fda-Ctu Consumer	Consumer			74.25
Cymbalta;Metoprolol;Klonopin;Unspecified Ingredient	-		04-		
JUN-2021	US	Not Specified	-	-	
19365907	-	Herbals\Mitragynine	Substance Abuse		
Seizure;Weight Decreased;Toxicity To Various Agents	Serious				
Died;Other Outcomes	Male	30-AUG-2020	03-JUN-2021	Direct	
38 YR	69.75 KG	Fda-Ctu Consumer	Consumer		
-	-	03-JUN-2021	US	Not Specified	-
-	-				
19302096	-	Fentanyl;Herbals\Mitragynine	-		
Toxicologic Test Abnormal;Death	Serious	Died	Male	-	25-
MAY-2021	Direct	Not Specified	78.75 KG	Fda-Ctu	
Consumer	Consumer	-	-	25-MAY-2021	US
Not Specified	-	-	-		
19292670	-	Herbals\Mitragynine	Anxiety		
Pain;Fatigue;Pyrexia;Nausea;Blood Bilirubin Increased;Withdrawal					
Syndrome;Drug-Induced Liver Injury	Serious	Hospitalized	Male		



16-MAR-2021	23-MAY-2021	Direct	41 YR	103.5 KG
Fda-Ctu Consumer	Consumer			Cymbalta;Wellbutrin
-	23-MAY-2021	US	Not Specified	-
-				
19282692	-	Herbals\Mitragynine	-	
Insomnia;Seizure;Decreased Appetite;Choking;Overdose			Serious	Died
Male	21-APR-2021	20-MAY-2021	Direct	26 YR
KG	Fda-Ctu Consumer	Consumer	-	87.75
MAY-2021	US	Not Specified	-	20-
19278600	-	Herbals\Mitragynine	-	
Dysuria;Gallbladder Disorder;Fluid Retention;Renal Disorder;Liver Disorder;Abdominal Distension;Physical Product Label Issue;Peripheral Swelling;Hepatitis			Serious Life Threatening;Other Outcomes	Male
16-APR-2021	20-MAY-2021	Direct	32 YR	Not Specified
Fda-Ctu Consumer	Consumer	-	-	20-
MAY-2021	US	Not Specified	-	-
19277947	-	Herbals\Mitragynine	Back Pain	
Nausea;Pruritus;Pyrexia;Sneezing;Somnolence;Night Sweats;Rhinorrhoea;Pulmonary Pain;Arthralgia;Chromaturia;Cholelithiasis;Jaundice;Drug-Induced Liver Injury;Asthenia;Dyspnoea;Tinnitus;Dizziness;Myalgia;Headache;Body Temperature Fluctuation;Abdominal Pain Upper;Fatigue			Serious	
Hospitalized	Female	19-MAR-2021	19-MAY-2021	Direct
69.75 KG	Fda-Ctu Consumer	Consumer		48 YR
-	19-MAY-2021	US	Not Specified	-
-				
19274283	-	Herbals\Mitragynine	Drug Therapy	
Toxicity To Various Agents;Substance Use			Serious	Died
20-MAR-2021	19-MAY-2021	Direct	42 YR	Male
Fda-Ctu Consumer	Consumer		121.5 KG	
Paroxetine;Clonazepam;Lamotrigine;Risperidone;Lisinopril And Hydrochlorothiazide	-	19-MAY-2021	US	Not Specified
-	-	-		
19205259	Paxil	Paroxetine Hydrochloride;Herbals\Mitragynine		
Anxiety;Depression;Drug Dependence			Hallucination;Heart	
Rate Increased;Seizure	Serious	Life Threatening;Other		
Outcomes;Hospitalized	Female	27-APR-2021	02-MAY-2021	Direct
53 YR	Not Specified	Fda-Ctu Consumer	Consumer	
Effexor;Tizanidine	-	02-MAY-2021	US	Not
Specified	-	-		
19205174	-	Herbals\Mitragynine	Pain	
Diarrhoea;Product Contamination	Physical		Serious	Other Outcomes
Male	03-FEB-2021	01-MAY-2021	Direct	40 YR
Fda-Ctu Consumer	Consumer	-	-	72 KG
MAY-2021	US	Y	-	01-
18742407	Lexapro;Klonopin;Ativan;Viibryd;Trazodone;Suboxone			
Buprenorphine Hydrochloride\Naloxone Hydrochloride;Trazodone Hydrochloride;Vilazodone Hydrochloride;Escitalopram				
Oxalate;Clonazepam;Herbals\Mitragynine;Lorazepam				
Depression;Drug Withdrawal Maintenance Therapy;Product Used For				

Unknown Indication	Panic Attack;Anxiety;Psychotic Disorder;Inability To Afford Medication;Fear;Hypertension;Delirium;Emotional Distress;Confusional State;Suicidal Behaviour;Heart Rate Increased;Malaise;Depression;Therapy Interrupted	Male	JAN-2021	29-APR-2021	Other
Expedited	Not Specified	Not Specified	Allergan		
Consumer	Not Specified	-	15-APR-2021	14-JAN-2021	
US	Not Specified	US-ALLERGAN-2101856US	-	-	
19188369	-	Herbals\Mitragynine	Product Used For		
Unknown Indication	Seizure Serious Other Outcomes	Male	27-APR-2021	27-APR-2021	27-APR-2021
APR-2021	27-APR-2021	Direct	23 YR	74.25 KG	Fda-Ctu
Ctu	Consumer	Consumer	-	-	27-APR-2021
US	Not Specified	-	-	-	
19165441	-	Herbals\Mitragynine	Product Used For		
Unknown Indication	Overdose;Seizure;Concussion	Male	31-MAR-2021	21-APR-2021	21-APR-2021
APR-2021	Direct	26 YR	81 KG	Fda-Ctu	Consumer
Consumer	-	-	21-APR-2021	US	Not Specified
-	-	-			
19165432	-	Herbals\Mitragynine	Drug Dependence Drug		
Level Increased;Product Complaint	Serious Died	Male	-		
21-APR-2021	Direct	21 YR	51.75 KG	Fda-Ctu	
Consumer	Consumer	Gabapentin	-	21-APR-2021	
US	Not Specified	-	-	-	
19139811	-				
Cyclobenzaprine;Gabapentin;Cannabinol\Herbals;Benzoyllecgonine;Herbals\Mitragynine;Hydroxyzine Pamoate	-	Toxicity To Various Agents			
Serious Died	Male	2020	15-APR-2021	Expedited	
32 YR	Not Specified	Pfizer	Healthcare Professional	Not Specified	
Specified	-	05-APR-2021	15-APR-2021	US	Not Specified
Specified	US-PFIZER INC-2021393171	"Papson, D..			
Flualprazolam Blood Concentrations in 197 Forensic Investigation Cases.. Journal of analytical toxicology. 2021;45 (3):226-232"	-				
19097760	-	Herbals\Mitragynine	Drug Use Disorder		
Generalised Tonic-Clonic Seizure;Seizure	Serious Life				
Threatening;Hospitalized	Male	27-MAR-2021	06-APR-2021		
Direct	35 YR	54 KG	Fda-Ctu	Consumer	Consumer
Keppra	-	06-APR-2021	US	Not Specified	-
-	-				
19082832	-	Herbals\Mitragynine	Anxiety;Arthralgia		
Dependence;Impaired Work Ability;Mental Disorder;Memory Impairment;Confusional State;Cognitive Disorder;Withdrawal Syndrome;Reading Disorder	Serious Other Outcomes	Female	01-APR-2021	01-APR-2021	01-APR-2021
APR-2021	01-APR-2021	Direct	49 YR	58.5 KG	Fda-Ctu
Consumer	Consumer	Lamictal;Sertraline	-	01-APR-2021	
APR-2021	US	Not Specified	-	-	
19068882	-	Herbals\Mitragynine	Pain	Cardio-	
Respiratory Arrest;Qrs Axis Abnormal;Blood Calcium Decreased;Troponin Increased;Electrocardiogram St Segment Depression;Bundle Branch Block					

Right;Myoclonus;Pulseless Electrical Activity	26-MAR-2021	28-MAR-2021	Direct	33 YR	70.5 KG	Fda-	Male
Ctu Healthcare Professional Health Professional	28-MAR-2021	US	Not Specified	-	-	-	-
19051308	-	Herbals\Mitragynine	-	Death	Non-		
Serious Non-Serious	Male	16-NOV-2020	24-MAR-2021	Direct			
34 YR	99 KG	Fda-Ctu Consumer	Consumer	-	-	-	-
-	24-MAR-2021	US	Not Specified	-	-	-	-
-							
19051300	-	Herbals\Mitragynine	-	Incorrect Dose			
Administered;Drug Dependence;Mental Disorder	Male	24-MAR-2021	Direct	41 YR	106.65 KG		
Fda-Ctu Healthcare Professional Health Professional	-	24-MAR-2021	US	Not Specified	-	-	-
-							
-							
19030714	-	Herbals\Mitragynine	Pain;Weight Decreased				
Withdrawal Syndrome;Urticaria;Drug Hypersensitivity							
Serious Other Outcomes	Female	03-MAR-2021	19-MAR-2021	Direct			
41 YR	76.05 KG	Fda-Ctu Consumer	Consumer				
Bentyl;Xanax;Unspecified							
Ingredient;Viibryd;Flexeril;Tylenol;Lamictal;Wellbutrin							
Xl;Restoril;Rexulti;Topamax	-	19-MAR-2021	US	Y			
-	-	-					
18973587	-	Herbals\Mitragynine	Product Used For				
Unknown Indication	Loss Of Consciousness	Serious Died	Male				
25-APR-2020	05-MAR-2021	Direct	38 YR	112.5 KG			
Fda-Ctu Consumer	Consumer	Adderall	-				
05-MAR-2021	US	Y	-	-	-	-	-
18967773	-	Herbals\Mitragynine	Drug Withdrawal				
Syndrome	Product Complaint;Drug						
Dependence;Hyperhidrosis;Abnormal							
Behaviour;Aggression;Tachycardia;Syncope;Hypertension;Respiratory							
Depression;Agitation;Depressed Level Of Consciousness;Pruritus							
Serious Hospitalized;Life Threatening	Male	02-MAR-2021	04-				
MAR-2021	Direct	29 YR	81 KG	Fda-Ctu Consumer			
Consumer	-	-	04-MAR-2021	US	Not Specified		
-	-	-					
18961521	-						
Alprazolam;Herbals\Mitragynine;Butalbital;Morphine							
For Unknown Indication	Toxicity To Various Agents	Product Used					
Female	-	03-MAR-2021	Expedited	28 YR	Not		
Specified	Ranbaxy Healthcare Professional	Not Specified	-				
17-FEB-2021	03-MAR-2021	US	Not Specified	US-SUN			
PHARMACEUTICAL INDUSTRIES LTD-2021R1-282076	"Fagiola M, Hahn T,						
Avella J. Screening of Novel Psychoactive Substances in Postmortem							
Matrices by Liquid Chromatography-Tandem Mass Spectrometry (LC-MS-MS).							
J Anal Toxicol. 2018;42:562-569"	-						
18961246	Methadone	Methadone					
Hydrochloride;Meperidine;Morphine;Phentermine;Herbals\Mitragynine							
Product Used For Unknown Indication	Toxicity To Various						

Agents	Serious	Died	Male	-	03-MAR-2021	Expedited
41 YR	Not Specified	Not Specified	Ranbaxy Healthcare Professional	Not Specified	03-MAR-2021	US
Specified	-	17-FEB-2021	03-MAR-2021	US	Not Specified	Not Specified
Specified	US-SUN PHARMACEUTICAL INDUSTRIES LTD-2021R1-282072					
"Fagiola M, Hahn T, Avella J. Screening of Novel Psychoactive Substances in Postmortem Matrices by Liquid Chromatography-Tandem Mass Spectrometry (LC-MS-MS). J Anal Toxicol. 2018;42:562-569"						
18983046	-	Herbals\Mitragynine	Product Used For			
Unknown Indication		Product Quality Issue;Loss Of				
Consciousness;Tremor;Vomiting;Haemorrhage		Serious	Disabled;Other			
Outcomes	Female	25-FEB-2021	26-FEB-2021	Direct	37 YR	
60.75 KG		Fda-Ctu Consumer	Consumer			
Tylenol Extra Strength	-	26-FEB-2021	US	Y	-	
-	-					
18897611	-	Herbals\Mitragynine	Vitamin			
Supplementation	Palpitations;Hyperhidrosis	Serious	Other Outcomes			
Male	13-FEB-2021	14-FEB-2021	Direct	33 YR	74.25	
KG	Fda-Ctu Consumer	Consumer	-	-	14-	
FEB-2021	US	Not Specified	-	-	-	
18858148	-	Herbals\Mitragynine	Pain	Malaise;Extra		
Dose Administered		Serious Died	Female	-	06-FEB-2021	
Direct	Not Specified	90 KG	Fda-Ctu Consumer			
Consumer	-	-	06-FEB-2021	US	Not Specified	
-	-	-				
18853580	Sertraline;Hydroxyzine	Hydroxyzine				
Hydrochloride;Herbals\Mitragynine;Sertraline						
Hydrochloride;Olanzapine;Clonazepam;Temazepam	Product Used For					
Unknown Indication	Cardiomegaly;Toxicity To Various Agents					
Serious Other Outcomes;Died	Not Specified	-	05-FEB-2021			
Expedited	Not Specified	Not Specified	Ranbaxy			
Healthcare Professional	Not Specified	-	23-JAN-2021	05-		
FEB-2021	US	Not Specified	US-SUN PHARMACEUTICAL			
INDUSTRIES LTD-2021R1-277923	"Gershman K, Timm K, Frank M, Lampi L, Melamed J, Gerona R et al. Deaths in Colorado Attributed to Kratom. N Engl J Med. 2019;3Jan: 380(1):1-2"	-				
18850878	-	Citalopram;Herbals\Mitragynine	Product Used			
For Unknown Indication	Toxicity To Various Agents	Serious Other				
Outcomes;Died	Not Specified	-	05-FEB-2021	Expedited		
Not Specified	Not Specified	Ranbaxy Healthcare				
Professional	Not Specified	-	23-JAN-2021	05-FEB-2021		
US	Not Specified	US-SUN PHARMACEUTICAL INDUSTRIES				
LTD-2021R1-277922	"Gershman K, Timm K, Frank M, Lampi L, Melamed J, Gerona R et al. Deaths in Colorado Attributed to Kratom. N Engl J Med. 2019;3Jan: 380(1):1-2"	-				
18850794	Zolpidem	Zolpidem				
Tartrate;Oxycodone;Topiramate;Tramadol;Herbals\Mitragynine;Diphenhydramine	Product Used For Unknown Indication	Toxicity To Various				
Agents;Asphyxia	Serious Died;Other Outcomes	Not Specified	-			
05-FEB-2021	Expedited	Not Specified	Not Specified			
Ranbaxy Healthcare Professional	Not Specified	-	23-			

JAN-2021	05-FEB-2021	US	Not Specified	US-SUN
PHARMACEUTICAL INDUSTRIES LTD-2021R1-277921 "Gershman K, Timm K, Frank M, Lampi L, Melamed J, Gerona R et al. Deaths in Colorado Attributed to Kratom. N Engl J Med. 2019;JAN 380 1:1-2" -				
18832743	-			
Herbals\Mitragynine;Oxycodone;Alcohol;Fentanyl;Cocaine Product Used For Unknown Indication Portal Fibrosis;Portal Tract Inflammation;Toxicity To Various Agents Serious Died;Other Outcomes				
Not Specified	-	03-FEB-2021	Expedited	Not Specified
Specified	Not Specified	Ranbaxy Healthcare Professional	Not Specified	Not Specified
Specified	-	23-JAN-2021	03-FEB-2021	US
Specified	US-SUN	PHARMACEUTICAL INDUSTRIES LTD-2021R1-277926		
"Gershman K, Timm K, Frank M, Lampi L, Melamed J, Gerona R et al. Deaths in Colorado Attributed to Kratom. N Engl J Med. 2019;3Jan: 380(1):1-2" -				
18832735	Pseudoephedrine.;Fluoxetine	Fluoxetine		
Hydrochloride;Herbals\Mitragynine;Oxycodone;Pseudoephedrine Hydrochloride Product Used For Unknown Indication Toxicity To Various Agents Serious Died;Other Outcomes Not Specified -				
03-FEB-2021	Expedited	Not Specified	Not Specified	
Ranbaxy Healthcare Professional	Not Specified	-	23-	
JAN-2021	03-FEB-2021	US	Not Specified	US-SUN
PHARMACEUTICAL INDUSTRIES LTD-2021R1-277918 "Gershman K, Timm K, Frank M, Lampi L, Melamed J, Gerona R et al. Deaths in Colorado Attributed to Kratom. N Engl J Med. 2019;3Jan: 380(1):1-2" -				
18832731	-	Herbals\Mitragynine;Alcohol;Oxycodone		
Product Used For Unknown Indication Toxicity To Various Agents Serious Other Outcomes;Died Not Specified - 03-FEB-2021 Expedited Not Specified Not Specified				
Ranbaxy Healthcare Professional	Not Specified	-	23-JAN-2021	
03-FEB-2021	US	Not Specified	US-SUN	PHARMACEUTICAL INDUSTRIES LTD-2021R1-277925
"Gershman K, Timm K, Frank M, Lampi L, Melamed J, Gerona R et al. Deaths in Colorado Attributed to Kratom. N Engl J Med. 2019;3Jan: 380(1):1-2" -				
18831408	-			
Herbals\Mitragynine;Nordazepam;Etizolam;Mirtazapine Product Used For Unknown Indication Toxicity To Various Agents Serious Other Outcomes;Died Not Specified - 03-FEB-2021 Expedited				
Not Specified	Not Specified	Ranbaxy Healthcare Professional	Not Specified	Not Specified
US	Not Specified	US-SUN	PHARMACEUTICAL INDUSTRIES LTD-2021R1-277924	"Gershman K, Timm K, Frank M, Lampi L, Melamed J, Gerona R et al. Deaths in Colorado Attributed to Kratom. N Engl J Med. 2019;3Jan:380(1):1-2" -
18821696	-	Tramadol;Herbals\Mitragynine;Buprenorphine		
Hydrochloride\Naloxone Hydrochloride Anxiety;Arthralgia;Depression;Detoxification;Drug Dependence;Drug Use Disorder Drug Abuse;Intentional Product Misuse;Headache;Drug Use Disorder;Drug Dependence;Constipation Serious Other Outcomes				
Male	2013	02-FEB-2021	Expedited	31 YR Not

Specified	Mylan	Healthcare Professional	Not Specified		
Venlafaxine;Escitalopram	25-JAN-2021	02-FEB-2021	US		
Not Specified	US-MYLANLABS-2021M1006239	"Kalin S,			
Dakhlalla S, Bhardwaj S. Treatment for kratom abuse in a contingency-management-based MAT setting: A case series. J-Opioid-Manag 2020;16(5):391-394."					
18777199	-				
Yohimbine;Alprazolam;Herbals\Mitragynine;Flualprazolam;Buprenorphine;Oxycodone Hydrochloride					
Product Used For Unknown Indication					
Respiratory Arrest;Cardiac Arrest;Poisoning Deliberate					
Male	2019	22-JAN-2021	Expedited	29 YR	Not
Specified	Genus Lifesciences	Healthcare Professional	Not		
Specified	-	11-JAN-2021	22-JAN-2021	US	Not
Specified	US-GENUS_LIFESCIENCES-USA-POI0580202100046	Gummin			
D. 2019 Annual Report of the American Association of Poison Control Centers National Poison Data Systems (NPDS): 37th Annual Report. Clinical Toxicology. 2020 DEC;58(12):1360-1541. -					
18769925	-	Alprazolam;Buprenorphine;Oxycodone Hydrochloride;Flualprazolam;Herbals\Mitragynine;Yohimbine			
Product Used For Unknown Indication					
Death;Cardio-Respiratory Arrest					
Serious	Died	Male	2019	21-JAN-2021	Expedited
29 YR	Not Specified	Endo	Healthcare Professional	Not	
Specified	-	05-JAN-2021	21-JAN-2021	US	Not
Specified	US-ENDO PHARMACEUTICALS	INC-2021-000335	-	-	
18729811	-				
Yohimbine;Alprazolam;Buprenorphine;Oxycodone;Herbals\Mitragynine					
-	Cardiac Arrest;Respiratory Arrest	Serious			
Died;Hospitalized	Male	2019	19-JAN-2021	Expedited	
29 YR	Not Specified	Pfizer	Healthcare Professional	Not	
Specified	-	14-JAN-2021	12-JAN-2021	US	Not
Specified	US-PFIZER	INC-2021014296	"Gummin, D.. 2019		
Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 37th Annual Report. Clinical Toxicology. 2020;58 (12):1360-1541"					
18728069	Methadone	Methadone			
Hydrochloride;Herbals\Mitragynine;Fentanyl					
Product Used For Unknown Indication					
Drug Abuse					
Serious Died;Other Outcomes					
Male	2019	15-JAN-2021	Non-Expedited	29 YR	Not
Specified	Apotex	Healthcare Professional	Not Specified	-	
04-JAN-2021	12-JAN-2021	US	Not Specified	US-	
APOTEX-2021AP000181 "Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Brooks DE, Dibert KW, Rivers LJ, Pham NPT, Ryan ML. 2019 Annual Report of the American Association of Poison Control Centers National Poison Data System (NPDS): 37th Annual Report. Clinical Toxicology. 2020;58 (12):1360-1541"					
18741064	-	Herbals\Mitragynine	-	Illness;Drug	
Withdrawal Syndrome;Product Complaint;Substance Dependence					
Serious	Non-Serious	Male	25-DEC-2020	14-JAN-2021	Direct
36 YR	60.75 KG	Fda-Ctu	Consumer	Consumer	
-	-	14-JAN-2021	US	Not Specified	-

18740006	-	Fentanyl;Herbals\Mitragynine	Product Used
For Unknown Indication		Drug Abuse	Serious Other Outcomes;Died
Male	-	14-JAN-2021	Non-Expedited 30 YR Not
Specified	Apotex	Healthcare Professional	Not Specified -
04-JAN-2021	14-JAN-2021	US	Not Specified US-
APOTEX-2021AP000192 "Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Brooks DE, Dibert KW, Rivers LJ, Pham NPT, Ryan ML. 2019 Annual Report of the American Association of Poison Control Centers National Poison Data System (NPDS): 37th Annual Report. Clinical Toxicology. 2020;58 (12):1360ñ1541" -			
18738840	-	Herbals\Mitragynine;Diphenhydramine;Etizolam	
Product Used	For Unknown Indication	Completed Suicide	
Serious Died;Other Outcomes	Male	2019	14-JAN-2021
Expedited	25 YR	Not Specified	Apotex Healthcare
Professional	Not Specified	-	04-JAN-2021 14-JAN-2021
US	Not Specified	US-APOTEX-2021AP000950	"Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Brooks DE, Dibert KW, Rivers LJ, Pham NPT, Ryan ML. 2019 Annual Report of the American Association of Poison Control Centers National Poison Data System (NPDS): 37th Annual Report. Clinical Toxicology. 2020;58 (12):1360ñ1541" -
18726140	-	Herbals\Mitragynine;Fentanyl	Product Used
For Unknown Indication		Drug Abuse;Cardio-Respiratory Arrest	
Serious Died;Hospitalized;Other Outcomes	Male	2019	14-JAN-2021
Expedited	25 YR	Not Specified	Apotex
Healthcare Professional	Not Specified	-	04-JAN-2021 11-JAN-2021
US	Not Specified	US-	
APOTEX-2021AP000153 "Gummin DD, Mowry JB, Beuhler MC, Spyker DA, Brooks DE, Dibert KW, Rivers LJ, Pham NPT, Ryan ML. 2019 Annual Report of the American Association of Poison Control Centers National Poison Data System (NPDS): 37th Annual Report. Clinical Toxicology. 2020;58 (12):1360ñ1541" -			
18731400	-	Herbals\Mitragynine;Fentanyl Citrate	-
Cardiac Arrest;Respiratory Arrest;Drug Abuse	Serious Other		
Outcomes;Died;Hospitalized	Male	2019	12-JAN-2021
Expedited	25 YR	Not Specified	Pfizer Healthcare
Professional	Not Specified	-	08-JAN-2021 12-JAN-2021
US	Not Specified	US-PFIZER	
INC-2021015009 "Gummin, D.. 2019 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 37th Annual Report. Clinical Toxicology. 2020;58 (12):1360-1541" -			
18686259		Alcohol (Alcohol)	
Alcohol;Lysergide;Etizolam;Ketamine;Getacatetide			
Acetate;Herbals\Mitragynine	Product Used	For Unknown Indication	
Toxicity To Various Agents;Bradycardia;Metabolic			
Acidosis;Hypotension;Brain Herniation	Serious Died;Hospitalized		
Male	-	30-DEC-2020	Expedited 25 YR Not
Specified	Johnson And Johnson	Healthcare Professional	Not Specified
Specified	-	23-DEC-2020	30-DEC-2020 US Not

Specified	US-JNJFOC-20201249395	-	-		
18684086	-	Herbals\Mitragynine;Diphenhydramine			
Hydrochloride;Etizolam	Product Used For Unknown Indication				
Toxicity To Various Agents;Completed Suicide	Serious Died	Male			
-	30-DEC-2020	Expedited	25 YR	Not Specified	
Johnson And Johnson	Healthcare Professional	Not Specified			
-	23-DEC-2020	30-DEC-2020	US	Not Specified	
US-JNJFOC-20201249785	-	-			
18674050	Duragesic	Fentanyl;Herbals\Mitragynine			
Product Used For Unknown Indication	Drug Abuse;Toxicity To Various				
Agents	Serious Died;Hospitalized	Male	-	28-DEC-2020	
Non-Expedited	25 YR	Not Specified	Johnson And Johnson		
Healthcare Professional	Not Specified	-	23-DEC-2020		
28-DEC-2020	US	Not Specified	US-JNJFOC-20201246672		
-	-				
18667974	Duragesic	Fentanyl;Herbals\Mitragynine			
Product Used For Unknown Indication	Toxicity To Various				
Agents;Drug Abuse	Serious Died	Male	-	28-DEC-2020	
Non-Expedited	30 YR	Not Specified	Johnson And Johnson		
Healthcare Professional	Not Specified	-	23-DEC-2020		
28-DEC-2020	US	Not Specified	US-JNJFOC-20201246704		
-	-				
18611246	-	Herbals\Mitragynine	Procedural Pain		
Hallucination;Myocardial Infarction;Delusion;Dependence;Adulterated	Product;Drug Withdrawal Syndrome;Dyspnoea;Loss Of Consciousness;Tremor				
Serious Hospitalized	Female	16-NOV-2020	14-DEC-2020		
Direct	47 YR	Not Specified	Fda-Ctu Consumer		
Consumer	-	-	14-DEC-2020	US	Not Specified
-	-	-			
18603578	-	Herbals\Mitragynine	Anxiety;Pain	Drug	
Dependence;Drug Abuser	Serious Other Outcomes	Male	10-DEC-2020		
10-DEC-2020	Direct	37 YR	Not Specified	Fda-Ctu	
Consumer	Consumer	-	-	10-DEC-2020	US
Not Specified	-	-	-		
18595363	-	Herbals\Mitragynine	Substance Use		
Insomnia;Drug Dependence;Drug Withdrawal Syndrome;Toxicity To Various	Agents;Abnormal Loss Of Weight	Serious Other Outcomes	Male	04-DEC-2020	
09-DEC-2020	09-DEC-2020	Direct	39 YR	54.9 KG	Fda-Ctu
Healthcare Professional	Health Professional	-	-	09-DEC-2020	
US	Not Specified	-	-	-	
18582334	-	Herbals\Mitragynine;Venlafaxine Hydrochloride			
-	Hyperthermia;Encephalopathy;Serotonin				
Syndrome;Psychotic Disorder	Serious Hospitalized;Life Threatening				
Female	02-DEC-2020	04-DEC-2020	Direct	77 YR	60 KG
Fda-Ctu	Healthcare Professional	Health Professional	-		
-	04-DEC-2020	US	Not Specified	-	-
-					
18573518	Fluoxetine	Fluoxetine			
Hydrochloride;Herbals\Mitragynine;Flualprazolam;Gabapentin	Product Used For Unknown Indication	Toxicity To Various Agents			



Case ID	Drug	Indication	Outcome	Age	Weight	Sex	Date	Country	Manufacturer
18469668	Sertraline	Sertraline Hydrochloride; Bupropion; Perphenazine; Amitriptyline; Phenethylamine; Herbals\Mitragynine Anxiety; Mood Altered	Drug Ineffective; Rhabdomyolysis; Hypertransaminasaemia; Serotonin Syndrome; Metabolic Acidosis	26 YR	84.15 KG	Male	27-MAY-2020	US	Fda-Ctu Consumer
18540051	Herbals\Mitragynine	Drug Withdrawal Syndrome	"Feeling Abnormal; Nocturnal Dyspnoea; Intentional Self-Injury; Dysarthria; Gait Disturbance; Hallucination, Auditory; Fatigue; Completed Suicide; Irritability; Gun Shot Wound; Hypertension; Overdose; Fine Motor Skill Dysfunction; Aggression; Fear Of Death"	31 YR	103.5 KG	Male	02-OCT-2020	US	Fda-Ctu Consumer
18538994	Herbals\Mitragynine	Substance Use Withdrawal Syndrome; Near Death Experience; Euphoric Mood; Drug Dependence	Serious Life Threatening; Other Outcomes	35 YR	76.5 KG	Male	23-NOV-2020	US	Fda-Ctu Consumer
18532204	Morphine; Gabapentin; Codeine; Herbals\Mitragynine	Product Used For Unknown Indication	Pulmonary Congestion; Accidental Poisoning; Toxicity To Various Agents	Not Specified	Not Specified	Not Specified	23-NOV-2020	US	Expedited
18497717	Alcohol (Alcohol)	Alcohol; Gabapentin	Enacarbil; Herbals\Mitragynine; Diazepam	41 YR	Not Specified	Male	2018	US	Healthcare Professional

US-1843957 "Mantilla B, Vega MV, Solis X, Makram J, Mallah H, Test V. A DANGEROUS DRUG AND HERBAL MIXTURE. Chest 2020;158 (Suppl.) (4):A812 (plus poster)."

US-1843957 "Bishop freeman SC, Fox L, Winecker RE, Hudson JS. Death from Poppy Tea Consumption. Journal of Analytical Toxicology. 2020;44:734-740"

US-ARBOR PHARMACEUTICALS, LLC-US-2020ARB000997"

"Gummin DD, Mowry JB, Spyker DA, Brooks DE, Beuhler MC, Rivers LJ, Hashem HA, Ryan ML. 2018 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 36 Annual Report. Clinical Toxicology. 2019;57 (12):1220-1413" - 18467255 -

Herbals\Mitragynine;Perphenazine;Phenethylamine;Amitriptyline

Affective Disorder;Anxiety

Insomnia;Hypertransaminasaemia;Tachypnoea;Tachycardia;Decreased

Appetite;Rhabdomyolysis;Cough;Metabolic Acidosis;Serotonin Syndrome

Serious Other Outcomes;Hospitalized Male - 05-

NOV-2020 Expedited 20 YR Not Specified Ranbaxy

Healthcare Professional Not Specified - 21-OCT-2020 05-

NOV-2020 US Not Specified US-SUN PHARMACEUTICAL

INDUSTRIES LTD-2020R1-266428 "Mantilla B, Vega MV, Solis X, Makram

J, Mallah H, Test V. A Dangerous Drug and Herbal Mixture. Chest.

2020;Oct 18-21:812A" -

18467751 - Herbals\Mitragynine Product Used For

Unknown Indication Coma Serious Hospitalized Female 04-

NOV-2020 04-NOV-2020 Direct 50 YR Not Specified Fda-

Ctu Consumer Consumer - - 04-NOV-2020

US Not Specified - - -

18447155 - Herbals\Mitragynine - Withdrawal

Syndrome;Insomnia;Product Complaint;Drug Dependence Serious Other

Outcomes;Disabled Male 01-SEP-2020 30-OCT-2020 Direct

45 YR 90 KG Fda-Ctu Consumer Consumer -

- 30-OCT-2020 US Not Specified - -

-

18435485 - Herbals\Mitragynine Pain In Extremity

Herbal Toxicity Serious Died Male 23-AUG-2020 28-

OCT-2020 Direct 42 YR 85.05 KG Fda-Ctu Consumer

Consumer Clozaril - 28-OCT-2020 US

Not Specified - - -

18377802 Adderall Xr Amphetamine Aspartate\Amphetamine

Sulfate\Dextroamphetamine Saccharate\Dextroamphetamine

Sulfate;Herbals\Mitragynine Depression;Insomnia;Product Used For

Unknown Indication Posterior Reversible Encephalopathy Syndrome

Serious Other Outcomes Male - 18-OCT-2020

Expedited 22 YR Not Specified Shire Healthcare

Professional Not Specified

Acetaminophen;Dextroamphetamine;Cannabis Sativa Subsp. Indica

Top;Nicardipine;Quetiapine;Fluoxetine 13-OCT-2020 13-OCT-2020

US Not Specified US-SHIRE-US202033153 - -

18392125 - Herbals\Mitragynine - Drug

Dependence Serious Disabled Male 10-OCT-2020 16-

OCT-2020 Direct 56 YR 87.75 KG Fda-Ctu Consumer

Consumer - - 16-OCT-2020 US Not

Specified - - -

18386066 - Herbals\Mitragynine - Withdrawal

Syndrome;Paranoia;Depression;Completed Suicide Serious Died Male

05-SEP-2020 14-OCT-2020 Direct 36 YR 76.5 KG Fda-

Ctu	Consumer	Consumer	Antihistamines	Nos	-
14-OCT-2020	US	Not Specified	-	-	-
18348131	-	Herbals\Mitragynine	-	Movement	
Disorder;Product Use Issue;Dizziness;Vomiting;Malaise;Hyperhidrosis	Serious Hospitalized	Female	05-OCT-2020	05-OCT-2020	
Direct	36 YR	Not Specified	Fda-Ctu	Consumer	
Consumer	Prozac	-	05-OCT-2020	US	Not Specified
-	-	-			
18280433	Alcohol (Alcohol)				
Alcohol;Acetaminophen;Herbals\Mitragynine	Asthenia;Product Used				
For Unknown Indication Liver Transplant;Acute Hepatic Failure	Serious Other Outcomes;Hospitalized	Not Specified	-	18-	
SEP-2020	Expedited	Not Specified	Not Specified	Apotex	
Healthcare Professional	Not Specified	-	09-SEP-2020		
18-SEP-2020	CA	Not Specified	CA-APOTEX-2020	AP017853	
-	-				
16099193	-				
Herbals\Mitragynine;Acetaminophen\Methocarbamol;Albuterol;Ranitidine;L	oratadine;Citalopram;Diphenhydramine;Valacyclovir Hydrochloride	-			
Drug Withdrawal Syndrome Neonatal;Foetal Exposure During	Pregnancy	Serious Other Outcomes;Hospitalized	Female	-	
14-SEP-2020	Expedited	Not Specified	3.68 KG	Bayer	
Healthcare Professional	Not Specified	-	07-SEP-2020		
21-MAR-2019	CA	Not Specified	CA-BAYER-2019-054327		
"Murthy P, Clark D. An unusual cause for neonatal abstinence	syndrome. Paediatrics and Child Health (Canada). 2019;24:1:12-14"				
-					
18241216	-	Naltrexone;Herbals\Mitragynine	Pain		
Abdominal Pain Upper;Restlessness;Chills;Drug Withdrawal Syndrome;Drug	Interaction;Rhinoirrhoea;Hyperhidrosis;Dyspnoea;Nausea;Muscle				
Spasms;Mental Impairment	Serious Life Threatening	Female			
20-AUG-2020	05-SEP-2020	Direct	41 YR	60.75 KG	
Fda-Ctu	Consumer	Consumer	Vitamin		
B6;Herbals\Turmeric;Ativan;Multi-Vitamin	-	05-SEP-2020			
US	Not Specified	-	-		
18231742	-	Herbals\Mitragynine	Alcohol Withdrawal		
Syndrome	Drug Dependence;Family Stress	Serious Disabled			
Female	18-AUG-2020	03-SEP-2020	Direct	29 YR	48.15
KG	Fda-Ctu	Consumer	Consumer	-	03-
SEP-2020	US	Not Specified	-	-	
18091085	-	Herbals\Mitragynine	Analgesic Therapy		
Sleep Disorder;Myalgia;Vomiting;Dependence;Decreased	Appetite;Mood Swings;Cognitive Disorder	Serious Disabled	Male		
29-JUL-2020	29-JUL-2020	Direct	23 YR	65.25 KG	
Fda-Ctu	Consumer	Consumer	-	-	29-
JUL-2020	US	Not Specified	-	-	
17939201	Oxycontin;Lyrica				
Pregabalin;Oxycodone;Neomycin;Baclofen;Duloxetine	Hydrochloride;Oxycodone				
Hydrochloride;Ibuprofen;Lidocaine;Herbals\Mitragynine	Product Used				

For Unknown Indication Drug Dependence;Toxicity To Various Agents  
 Serious Died;Other Outcomes Male - 27-JUL-2020  
 Expedited Not Specified Not Specified Lupin  
 Consumer Not Specified - 13-JUL-2020 24-JUN-2020  
 US Not Specified US-HORMOSAN PHARMA GMBH-2020-02887  
 - -  
 16458096 Fluoxetine;Amlodipine Fluoxetine  
 Hydrochloride;Amlodipine  
 Besylate;Trimipramine;Sildenafil;Herbals\Mitragynine;Bentiamine\Buceti  
 n\Caffeine\Ethenzamide;Diphenhydramine Product Used For Unknown  
 Indication Toxicity To Various Agents;Pneumonia;Pulmonary  
 Oedema;Drug Abuse Serious Other Outcomes;Died Male -  
 18-JUL-2020 Expedited 56 YR Not Specified  
 Novartis Healthcare Professional Not Specified - 15-  
 JUL-2020 20-JUN-2019 DE Not Specified  
 PHHY2019DE139906 "Fels H, Lottner-Nau S, Sax T, Roeder G, Graw  
 M, Auwarter V et al.. Postmortem concentrations of the synthetic  
 opioid U-47700 in 26 fatalities associated with the drug. FORENSIC  
 SCI. INT.. 2019" -  
 18011399 Alcohol (Alcohol)  
 Alcohol;Gabapentin;Diazepam;Herbals\Mitragynine Product Used For  
 Unknown Indication Intentional Product Misuse Serious Died  
 Male - 12-JUL-2020 Expedited 41 YR Not  
 Specified Aurobindo Healthcare Professional Not Specified  
 - 30-JUN-2020 12-JUL-2020 US Not Specified  
 US-AUROBINDO-AUR-APL-2020-033385 "Gummin DD, Spyker DA,  
 Brooks DE, Beuhler MC, Mowry JB, Rivers LJ et al.. 2018 Annual Report  
 of the American Association of Poison Control Centers National Poison  
 Data: 36th Annual Report. Clinical Toxicology. 2019;57(12):1220-1413"  
 -  
 18003648 Sertraline Sertraline  
 Hydrochloride;Herbals\Mitragynine Product Used For Unknown  
 Indication Respiratory Arrest;Cardiac Arrest;Drug Abuse  
 Serious Other Outcomes;Died;Hospitalized Male - 10-  
 JUL-2020 Expedited 36 YR Not Specified Aurobindo  
 Healthcare Professional Not Specified - 30-JUN-2020  
 10-JUL-2020 US Not Specified US-AUROBINDO-AUR-  
 APL-2020-033359 "Gummin DD, Spyker DA, Brooks DE, Beuhler MC, Mowry  
 JB, Rivers LJ et al.. 2018 Annual Report of the American Association  
 of Poison Control Centers National Poison Data System (NPDS): 36th  
 Annual Report. Clinical Toxicology. 2019;57(12):1220-1413" -  
 18003374 Venlafaxine Venlafaxine  
 Hydrochloride;Herbals\Mitragynine Product Used For Unknown  
 Indication Drug Abuse Serious Hospitalized;Other  
 Outcomes;Died Male - 10-JUL-2020 Expedited 40 YR  
 Not Specified Aurobindo Healthcare Professional Not  
 Specified - 30-JUN-2020 10-JUL-2020 US Not  
 Specified US-AUROBINDO-AUR-APL-2020-033380 "Gummin DD,  
 Spyker DA, Brooks DE, Beuhler MC, Mowry JB, Rivers LJ et al.. 2018  
 Annual Report of the American Association of Poison Control Centers

National Poison Data System (NPDS): 36th Annual Report. Clinical Toxicology. 2019;57(12):1220-1413" -

18003300 Heroin;Sertraline Sertraline  
Hydrochloride;Herbals\Mitragynine;Diamorphine;Dextromethorphan;Cocaine  
;Bupropion;Chlorpheniramine Product Used For Unknown Indication  
Completed Suicide;Respiratory Arrest;Cardiac Arrest  
Serious Hospitalized;Other Outcomes;Died Male - 10-  
JUL-2020 Expedited 32 YR Not Specified Aurobindo  
Healthcare Professional Not Specified - 30-JUN-2020  
10-JUL-2020 US Not Specified US-AUROBINDO-AUR-  
APL-2020-033341 "Gummin DD, Spyker DA, Brooks DE, Beuhler MC, Mowry  
JB, Rivers LJ et al.. 2018 Annual Report of the American Association  
of Poison Control Centers National Poison Data System (NPDS): 36th  
Annual Report.. Clinical Toxicology. 2019;57(12):1220-1413" -  
18005886 - Loperamide;Herbals\Mitragynine Product Used  
For Unknown Indication Drug Abuse Serious Died;Other  
Outcomes;Hospitalized Male - 09-JUL-2020 Expedited  
21 YR Not Specified Aurobindo Healthcare  
Professional Not Specified - 30-JUN-2020 09-JUL-2020  
US Not Specified US-AUROBINDO-AUR-APL-2020-033157  
"Gummin DD, Mowry JB, Spyker DA, Brooks DE, Beuhler MC, Rivers  
LJ et al.. 2018 Annual Report of the American Association of Poison  
Control Centers National Poison Data System (NPDS): 36th Annual  
Report. Clinical Toxicology. 2019;57(12):1220-1413" -  
17996854 - Loperamide;Herbals\Mitragynine Product Used  
For Unknown Indication Drug Abuse Serious Died;Other Outcomes  
Male - 09-JUL-2020 Expedited 22 YR Not  
Specified Aurobindo Healthcare Professional Not Specified  
- 30-JUN-2020 09-JUL-2020 US Not Specified  
US-AUROBINDO-AUR-APL-2020-033158 "Gummin DD, Mowry JB,  
Spyker DA, Brooks DE, Beuhler MC, Rivers LJ et al.. 2018 Annual Report  
of the American Association of Poison Control Centers National Poison  
Data System (NPDS): 36th Annual Report. Clinical Toxicology.  
2019;57(12):1220-1413" -  
17996747 -  
Oxycodone;Fentanyl;Mirtazapine;Herbals\Mitragynine Product Used  
For Unknown Indication Cardiac Arrest;Drug Abuse;Respiratory Arrest  
Serious Other Outcomes;Died Male - 09-JUL-2020  
Expedited 57 YR Not Specified Aurobindo  
Healthcare Professional Not Specified - 30-JUN-2020 09-  
JUL-2020 US Not Specified US-AUROBINDO-AUR-  
APL-2020-032587 "Gummin DD, Spyker DA, Brooks DE, Beuhler MC, Mowry  
JB, Rivers LJ et al.. 2018 Annual Report of the American Association  
of Poison Control Centers National Poison Data System (NPDS): 36th  
Annual Report. Clinical Toxicology. 2019;57(12):1220-1413" -  
17948882 - Gabapentin;Herbals\Mitragynine;Clonazepam  
Product Used For Unknown Indication  
Fibromyalgia;Streptococcal Infection;Anxiety;Back Pain;Maternal  
Exposure During Pregnancy Non-Serious Non-Serious Female  
- 25-JUN-2020 Expedited 29 YR Not Specified

Roche	Healthcare Professional Not Specified	-	27-
APR-2019	25-JUN-2020	US	Not Specified US-
ROCHE-2310324	"Davidson L, Rawat M, Stojanovski S, and Chandrasekharan P Natural drugs, not so natural effects: Neonatal abstinence syndrome secondary to 'kratom'. Journal of Neonatal-Perinatal Medicine 2019;12 (1):109-112."		
17948871	-	Herbals\Mitragynine;Gabapentin;Clonazepam	-
Product Used For Unknown Indication		Foetal Exposure During Pregnancy;Small For Dates Baby;Drug Withdrawal Syndrome Neonatal	
Non-Serious	Non-Serious	Female	- 25-JUN-2020
Expedited	Not Specified	Not Specified	Roche
Healthcare Professional Not Specified	-	27-APR-2019	25-
JUN-2020	US	Not Specified	US-
ROCHE-2313953	"Davidson L, Rawat M, Stojanovski S and Chandrasekharan P Natural drugs, not so natural effects: Neonatal abstinence syndrome secondary to 'kratom'. Journal of Neonatal-Perinatal Medicine 2019;12 (1):109-112."		
17852150	Zolpidem	Zolpidem	-
Tartrate;Alprazolam;Herbals\Mitragynine		-	Toxicity To Various Agents;Acute Kidney Injury;Drug Withdrawal Syndrome;Coagulopathy;Acute Hepatic Failure;Intentional Overdose
Threatening	Female	-	20-JUN-2020
Not Specified	Teva	Healthcare Professional Not Specified	Expedited 36 YR
-	12-JUN-2020	02-JUN-2020	US
US-TEVA-2020-US-1242236	"Fishburn SJ, Mullins ME. Kratom (mitragynine speciosa) induced acute liver failure. J-Med-Toxicol 2020;16(2):143-144 (plus poster) abstr. 094."		
17895244	Trazodone	Trazodone	-
Hydrochloride;Bupropion;Herbals\Mitragynine;Desvenlafaxine;Ziprasidone		-	Facial
;Buspirone Hydrochloride		Depression	Facial
Paralysis;Aphasia;Hyperreflexia;Clonus;Serotonin Syndrome;Tremor;Dysarthria;Flushing;Drug Interaction;Hyperhidrosis;Confusional State		Serious Hospitalized	
Male	-	15-JUN-2020	Expedited 63 YR
Specified	Strides	Healthcare Professional Not Specified	-
08-JUN-2020	15-JUN-2020	US	Not Specified US-
STRIDES ARCOLAB LIMITED-2020SP007014	"Eudaley ST, Hamilton LA. Case report: Successful treatment of suspected kratom-induced serotonin syndrome. JACCP Journal of the American College of Clinical Pharmacy. 2020;3(1):347"		
17878785	Venlafaxine	Venlafaxine	-
Hydrochloride;Herbals\Mitragynine		Product Used For Unknown Indication	-
10-JUN-2020	Expedited	Not Specified	Not Specified
Zydus Pharm	Healthcare Professional Not Specified	-	
18-FEB-2020	10-JUN-2020	US	Not Specified US-
CADILA HEALTHCARE LIMITED-US-ZYDUS-048140	"Gummin DD, Mowry JB, Spyker DA, Brooks DE, Beuhler MC, Rivers LJ, et al.. 2018 Annual report of the american association of poison control centers' national poison data system (npds): 36th annual report.. Clinical Toxicology.		

2019;57(12:1220-1413" -  
 17869984 Zolpidem Zolpidem  
 Tartrate;Herbals\Mitragynine;Alprazolam Product Used For Unknown  
 Indication Coagulopathy;Toxicity To Various Agents;Acute Kidney  
 Injury;Intentional Overdose;Acute Hepatic Failure Serious Other  
 Outcomes;Hospitalized Female - 08-JUN-2020 Expedited  
 36 YR Not Specified Aurobindo Healthcare  
 Professional Not Specified - 25-MAY-2020 08-JUN-2020  
 US Not Specified US-AUROBINDO-AUR-APL-2020-026983  
 "Fishburn SJ, Mullins ME.. Kratom (mitragynine speciosa)  
 induced acute liver failure.. J-Med-Toxicol.. 2020;16(2):143-144"  
 -  
 17856606 - Naloxone Hydrochloride;Herbals\Mitragynine  
 Drug Dependence;Overdose Hypokalaemia;Electrocardiogram  
 Qt Prolonged;Electrocardiogram St Segment Abnormal Serious  
 Hospitalized Male - 03-JUN-2020 Expedited 17 YR  
 Not Specified Emergent Biosolutions Healthcare  
 Professional Not Specified - 20-MAY-2020 03-JUN-2020  
 US Not Specified "US-EMERGENT BIOSOLUTIONS,-20000366LT"  
 "Baumgartner K.T, Mullins M.E. A case of Kratom poisoning  
 causing cardiotoxicity. J. Med. Toxicol. 2020;16(2):165-6" -  
 17852355 Zolpidem Zolpidem  
 Tartrate;Herbals\Mitragynine;Alprazolam Product Used For Unknown  
 Indication Coagulopathy;Hepatic Enzyme Increased;Acute Kidney  
 Injury;Intentional Overdose Serious Hospitalized Female -  
 03-JUN-2020 Expedited 36 YR Not Specified  
 Ranbaxy Healthcare Professional Not Specified - 20-MAY-2020  
 03-JUN-2020 US Not Specified US-SUN PHARMACEUTICAL  
 INDUSTRIES LTD-2020R1-248876 "Fishburn SJ, Mullins ME. Kratom  
 (mitragynine speciosa) induced acute liver failure. J Med Toxicol.  
 2020;16(2):143-144" -  
 17846339 Zolpidem Zolpidem  
 Tartrate;Herbals\Mitragynine;Alprazolam Product Used For Unknown  
 Indication Acute Kidney Injury;Toxicity To Various  
 Agents;Intentional Overdose;Coagulopathy;Acute Hepatic Failure  
 Serious Hospitalized Female - 01-JUN-2020 Expedited  
 36 YR Not Specified Strides Healthcare Professional Not  
 Specified - 25-MAY-2020 01-JUN-2020 US Not  
 Specified US-STRIDES ARCOLAB LIMITED-2020SP006500 "Fishburn SJ,  
 Mullins ME.. Kratom (mitragynine speciosa) induced acute liver  
 failure.. Journal of Medical Toxicology. 2020;16(2):143-144" -  
 17845528 Zolpidem Zolpidem  
 Tartrate;Alprazolam;Herbals\Mitragynine Product Used For Unknown  
 Indication Coagulopathy;Acute Kidney Injury;Intentional  
 Overdose;Hepatic Enzyme Increased Serious Hospitalized;Other  
 Outcomes;Life Threatening Female - 01-JUN-2020  
 Expedited 36 YR Not Specified Lupin Healthcare  
 Professional Not Specified - 20-MAY-2020 01-JUN-2020  
 US Not Specified US-LUPIN PHARMACEUTICALS  
 INC.-2020-02533 "Fishburn SJ, Mullins ME. Kratom (Mitragynine

speciosa) Induced Acute Liver Failure. Journal of Medical Toxicology. 2020;16:143-144" -

17835102 Zolpidem Zolpidem

Tartrate;Herbals\Mitragynine;Alprazolam Product Used For Unknown Indication Toxicity To Various Agents;Coagulopathy;Acute Kidney Injury;Intentional Overdose;Acute Hepatic Failure Serious Hospitalized;Life Threatening Female - 28-MAY-2020

Expedited 36 YR Not Specified Mylan Healthcare

Professional Not Specified - 20-MAY-2020 28-MAY-2020

US Not Specified US-

MYLANLABS-2020M1052100 "Fishburn SJ, Mullins ME. Kratom (mitragynine speciosa) induced acute liver failure. J-Med-Toxicol 2020;16(2):143-144 (plus poster) abstr. 094." -

17827249 - Zolpidem

Tartrate;Alprazolam;Herbals\Mitragynine Overdose Hepatic Enzyme Increased;Drug Withdrawal Syndrome;Intentional Overdose;Coagulopathy;Acute Kidney Injury Serious Hospitalized;Other Outcomes Female - 27-MAY-2020

Expedited 36 YR Not Specified Sanofi Aventis Healthcare

Professional Not Specified - 19-MAY-2020 27-MAY-2020

US Not Specified US-SA-2020SA130645 "Fishburn

S.J., Mullins M.E.. Kratom (mitragynine speciosa) induced acute liver failure. J Med Toxicol.. 2020;16(2):143-144" -

17823882 Zolpidem Alprazolam;Zolpidem

Tartrate;Herbals\Mitragynine Product Used For Unknown Indication Hepatic Enzyme Increased;Acute Kidney Injury;Intentional Overdose;Coagulopathy Serious Hospitalized Female - 26-MAY-2020

Expedited 36 YR Not Specified Torrent Healthcare Professional Not Specified - 19-MAY-2020 26-MAY-2020

US Not Specified US-TORRENT-00010235 -

17489705 Valtrex Valacyclovir

Hydrochloride;Diphenhydramine;Albuterol;Acetaminophen;Citalopram;Loratadine;Methocarbamol;Ranitidine;Herbals\Mitragynine Product Used For Unknown Indication Foetal Exposure During Pregnancy;Drug Withdrawal Syndrome Neonatal Serious Hospitalized;Other Outcomes Female - 26-MAY-2020 Expedited Not Specified 3 KG Teva Healthcare Professional Not Specified - 21-MAY-2020 03-MAR-2020 CA Not Specified CA-TEVA-2020-CA-1192120 - -

17823488 - Herbals\Mitragynine - Product

Contamination Physical;Poisoning;Visual Impairment;Chest Pain;Product Contamination Serious Other Outcomes Male 25-MAY-2020 25-MAY-2020 Direct 55 YR 78.75 KG Fda-Ctu Consumer

Consumer Omeprazole - 25-MAY-2020 US

Not Specified - - -

17819090 Zolpidem Alprazolam;Zolpidem

Tartrate;Herbals\Mitragynine Product Used For Unknown Indication Intentional Overdose;Coagulopathy;Acute Kidney Injury;Hepatic Enzyme Increased Serious Hospitalized;Other Outcomes Male



-	23-MAY-2020	Expedited	36 YR	Not Specified
Hikma	Healthcare Professional	Not Specified	-	19-
MAY-2020	23-MAY-2020	US	Not Specified	US-HIKMA
PHARMACEUTICALS	USA INC.-US-H14001-20-02535	-	-	-
16318360	Methadone	Methadone		
Hydrochloride;Oxazepam;Morphine;Herbals\Mitragynine;Bromazepam				
Product Used For Unknown Indication Pulmonary				
Oedema;Gastritis;Pancreatitis;Asphyxia;Toxicity To Various Agents;Drug				
Abuse	Serious	Died	Male	-
36 YR	Not Specified	Ranbaxy Healthcare Professional	Not Specified	21-MAY-2020
Specified	Cocaine;Heroin	07-MAY-2020	16-MAY-2019	FR
Not Specified FR-SUN PHARMACEUTICAL INDUSTRIES				
LTD-2019R1-208015 "Bourguine J, Garnier Jardin C, Chretien B, Le				
Boisselier R, Loilier M, Lelong Boulouard V, et al. Fatal intoxication				
with Kratom: A case report. Fundam Clin Pharmacol. 2019;33 (Suppl.				
1):72 (PS2-013)"				
17808160	-	Herbals\Mitragynine	Stress	Drug
Dependence;Irritability;Socioeconomic Precarity;Aggression				
Serious	Other	Outcomes;Life Threatening	Male	26-MAY-2019
20-				
MAY-2020	Direct	42 YR	90 KG	Fda-Ctu Consumer
Consumer	-	-	20-MAY-2020	US
				Not Specified
17807667	-	Herbals\Mitragynine	Phytotherapy	
Seizure	Serious	Hospitalized	Male	10-MAR-2020
20-MAY-2020	Direct	30 YR	96.75 KG	Fda-Ctu Consumer
Consumer	-	-	20-MAY-2020	US
				Not Specified
17802026	-	Herbals\Mitragynine	Opiates	Intentional
Self-Injury;Drug	Withdrawal	Syndrome	Serious	Life
Threatening;Hospitalized	Male	13-MAY-2020	15-MAY-2020	
Direct	20 YR	52.16 KG	Fda-Ctu Consumer	Not
Specified	-	-	15-MAY-2020	US
				Not Specified
17791274	-	Herbals\Mitragynine	Anxiety;Depression	
Withdrawal Syndrome;Drug Dependence;Self-Injurious Ideation				
Serious	Hospitalized;Life Threatening	Male	13-MAY-2020	
15-MAY-2020	Direct	20 YR	49.5 KG	Fda-Ctu Consumer
Consumer	Zoloft;Melatonin;Claritin;Intuniv	-	-	-
15-MAY-2020	US	Not Specified	-	-
17779878	-			
Mirtazapine;Caffeine;Herbals\Mitragynine;Citalopram				
Product Used For Unknown Indication Death;Cardiac Arrest;Respiratory Arrest				
Serious	Other	Outcomes;Died	Male	-
Expedited	32 YR	Not Specified	Aurobindo	Healthcare
Professional	Not Specified	-	04-MAY-2020	14-MAY-2020
US	Not Specified	US-AUROBINDO-AUR-APL-2020-023710		
"Gummin DD, Spyker DA, Brooks DE, Banner W, Mowry JB,				
Osterthaler KM. 2017 Annual Report of the American Association of				
Poison Control Centers' National Poison Data System (NPDS): 35th				
Annual Report.. CLINICAL TOXICOLOGY. 2018;56(12):1213-1415"				

17779112	Heroin	Diamorphine;Oxycodone;Herbals\Mitragynine					
	Product Used For Unknown Indication		Drug Abuse				
Serious Other Outcomes;Died	Male	-	14-MAY-2020				
Expedited	44 YR	Not Specified	Aurobindo	Healthcare			
Professional	Not Specified	-	04-MAY-2020	14-MAY-2020			
US	Not Specified	US-AUROBINDO-AUR-APL-2020-023779					
"Gummin DD, Mowry JB, Spyker DA, Brooks DE, Osterthaler KM, Banner W.. 2017 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 35th Annual Report.. CLINICAL TOXICOLOGY. 2018;56(12):1213-1415"							
17766377	-	Herbals\Mitragynine	Drug Withdrawal				
Syndrome	Cardiac Arrest;Seizure	Serious	Died	Male	08-		
MAY-2020	11-MAY-2020	Direct	25 YR	67.5 KG	Fda-Ctu		
Healthcare Professional	Health Professional	-	-	11-			
MAY-2020	US	Not Specified	-	-	-		
17765206	-	Herbals\Mitragynine	Inflammation;Pain				
Withdrawal Syndrome;Drug Dependence;Anxiety;Condition Aggravated;Partner Stress;Product Complaint;Unevaluable Event;Loss Of Libido;Hypertension;Decreased Appetite;Dehydration;Weight Decreased							
Serious Disabled	Male	08-MAY-2020	09-MAY-2020				
Direct	39 YR	69.75 KG	Fda-Ctu	Consumer			
Consumer	Vitamin D;Melatonin	-	09-MAY-2020	US			
Y	-	-	-				
17740188	-	Herbals\Mitragynine	-	Torsade De			
Pointes;Cardiac Arrest	Serious	Life Threatening	Male	-			
03-MAY-2020	Direct	Not Specified	Not Specified	Fda-			
Ctu	Healthcare Professional	Health Professional	-	-			
03-MAY-2020	US	Not Specified	-	-	-		
17717542	Prozac	Fluoxetine Hydrochloride;Herbals\Mitragynine					
Antidepressant Therapy	Suicide Attempt;Hanging;Drug						
Withdrawal Syndrome;Psychotic Disorder	Serious	Hospitalized;Life					
Threatening	Male	21-FEB-2020	27-APR-2020	Direct	20 YR		
74.25 KG	Fda-Ctu	Consumer	Consumer	-			
-	27-APR-2020	US	Y	-	-	-	
17713029	-	Herbals\Mitragynine	Depression;Fatigue				
Depression;Compulsive Shopping;Drug Withdrawal							
Syndrome;Insomnia;Irritability;Restless Legs Syndrome;Morbid							
Thoughts;Drug Dependence	Serious	Other Outcomes	Female	22-			
APR-2020	27-APR-2020	Direct	49 YR	63 KG	Fda-Ctu		
Consumer	Consumer	Ibuprofen;Probiotics					
Nos;Zoloft;Klonopin;Acetylcysteine	-	27-APR-2020	US				
Not Specified	-	-	-				
17670057	-	Herbals\Mitragynine	Anxiety				
Dependence;Product Complaint	Serious	Other Outcomes	Male	01-			
JAN-2019	15-APR-2020	Direct	34 YR	Not Specified	Fda-		
Ctu	Consumer	Consumer	Albuterol	-	15-		
APR-2020	US	Y	-	-	-		
17539695	Latuda	Lurasidone Hydrochloride;Herbals\Mitragynine					
Extrapyramidal Disorder;Mania	Off Label Use;Heart Rate						
Increased;Anxiety;Feeling Abnormal	Non-Serious	Non-Serious					

Male	-	27-MAR-2020	Non-Expedited	24 YR	Not Specified
Specified	Sunovion	Healthcare Professional	Not Specified		
Cogentin	18-MAR-2020	13-MAR-2020	US	Not Specified	
Specified	US-SUNOVION-2020SUN000782	-	-		
17575493	-	Herbals\Mitragynine	Pain	Unresponsive	
To Stimuli;Suicide Attempt;Aggression	Serious	Other			
Outcomes;Hospitalized	Male	21-JUN-2019	23-MAR-2020	Direct	
26 YR	85.5 KG	Fda-Ctu Consumer	Consumer	Celexa	
-	23-MAR-2020	US	Not Specified	-	-
-					
17575488	-	Herbals\Mitragynine	Back Pain	Brain	
Stem Stroke	Serious	Died	Male	06-FEB-2020	23-MAR-2020
Direct	13 DAY	78.75 KG	Fda-Ctu Consumer		
Consumer	Unspecified	Ingredient	-	23-MAR-2020	US
Not Specified	-	-	-		
17538320	Kava	Piper Methysticum Root;Herbals\Mitragynine			
Anxiety	Psychomotor Skills Impaired;Speech Disorder;Movement				
Disorder;Impaired Work Ability;Quality Of Life Decreased;Weight					
Decreased	Serious	Other Outcomes;Hospitalized	Female	04-	
MAR-2020	13-MAR-2020	Direct	37 YR	55.35 KG	Fda-
Ctu	Consumer	Consumer	Ativan;Probiotics Nos;Pristiq		
Extended-Release	-	13-MAR-2020	US	Not Specified	
-	-	-			
17490986	"Butalbital, Acetaminophen, And Caffeine;Heroin"				
Diamorphine;Acetaminophen\Butalbital\Caffeine;Diazepam;Hydrocodone;Amp					
hetamine;Oxycodone;Herbals\Mitragynine Product Used For Unknown					
Indication	Toxicity To Various Agents		Serious	Other	Outcomes
Not Specified	-	03-MAR-2020	Expedited	Not	
Specified	Not Specified	Mayne Pharma	Healthcare		
Professional	Not Specified	-	19-FEB-2020	03-MAR-2020	
US	Not Specified	US-MAYNE PHARMA-2020MYN000107	-		
-					
17489713	Valacyclovir	Methocarbamol;Valacyclovir			
Hydrochloride;Ranitidine;Acetaminophen;Loratadine;Citalopram;Albuterol					
;Diphenhydramine;Herbals\Mitragynine		Product Used For Unknown			
Indication	Foetal Exposure During Pregnancy;Drug Withdrawal				
Syndrome Neonatal	Serious	Other Outcomes;Hospitalized	Female		
-	03-MAR-2020	Expedited	Not Specified	3 KG	
Teva	Consumer	Not Specified	-	25-FEB-2020	
03-MAR-2020	CA	Not Specified	CA-TEVA-2020-		
CA-1192110	-	-			
17468080	-	Herbals\Mitragynine			
Anxiety;Depression;Insomnia		Withdrawal Syndrome;Death;Product			
Quality Issue	Serious	Died	Male	01-JAN-2016	25-FEB-2020
Direct	25 YR	69.75 KG	Fda-Ctu Consumer		
Consumer	-	-	25-FEB-2020	US	Not Specified
-	-	-			
17456139	Venlafaxine	Venlafaxine			
Hydrochloride;Herbals\Mitragynine		Product Used For Unknown			

Indication	Toxicity To Various Agents;Drug Abuse	Serious
Died;Hospitalized	Male - 25-FEB-2020	Expedited
40 YR	Not Specified	Torrent Healthcare Professional Not
Specified	- 18-FEB-2020	25-FEB-2020 US Not
Specified	US-TORRENT-00009933	- -
17417214	- Herbals\Mitragynine	Pain
Vomiting;Nausea	Serious Other Outcomes	Female 14-JUL-2019 14-
FEB-2020	Direct 62 YR Not Specified	Fda-Ctu Healthcare
Professional	Health Professional	- - 14-FEB-2020
US	Not Specified - -	-
17413340	Heroin	
Hydrocodone;Butalbital;Diamorphine;Diazepam;Herbals\Mitragynine;Amphet	Product Used For Unknown Indication	Toxicity To Various
amine	Serious Died Male - 13-FEB-2020	Expedited
Agents	52 YR Not Specified Mylan	Healthcare Professional Not
Specified	- 04-FEB-2020	13-FEB-2020 US Not
Specified	US-MYLANLABS-2020M1016392	- -
17406570	- Herbals\Mitragynine	Pain;Routine Health
Maintenance	Anxiety;Panic Attack;Irritability	Serious
Hospitalized;Other Outcomes	Male 09-FEB-2020	11-FEB-2020
Direct	57 YR 83.25 KG	Fda-Ctu Consumer
Consumer		
Irbesartan;Coreg;Calcium;Lasix;Iron;Ibuprofen;Tylenol;Lorazepam;Vitami	n D;Sodium Bicarbonate;Vitamins;Magnesium	- 11-FEB-2020
US	Not Specified - -	-
17404248	- Alcohol;Unspecified	
Ingredient;Herbals\Mitragynine;Gabapentin;Diazepam	Product Used	
For Unknown Indication	Intentional Product Misuse	Serious Died
Male	2018 11-FEB-2020	Expedited 41 YR Not
Specified	Endo Healthcare Professional Not Specified	-
14-JAN-2020	11-FEB-2020 US	Not Specified US-
ENDO PHARMACEUTICALS INC-2020-001211	"Gummin DD, Mowry JB, Spyker	
DA, Brooks DE, Beuhler MC, Rivers LJ, et al.. 2018 Annual Report of	the American Association of Poison Control Centers' National Poison	
Data System (NPDS): 36th Annual Report. Clinical Toxicology.		
2019;57(12):1220-1413"	-	
17401864	- Herbals\Mitragynine;Oxycodone	
Hydrochloride;Fentanyl	Product Used For Unknown Indication	Drug
Abuse;Cardio-Respiratory Arrest	Serious Died Male 2018	11-
FEB-2020	Expedited 57 YR Not Specified	Endo
Healthcare Professional	Not Specified -	14-JAN-2020 11-
FEB-2020	US Not Specified	US-ENDO PHARMACEUTICALS
INC-2020-000677	"Gummin DD, Mowry JB, Spyker DA, Brooks DE, Beuhler	
MC, Rivers LJ, et al.. 2018 Annual Report of the American Association	of Poison Control Centers' National Poison Data System (NPDS): 36th	
Annual Report. Clinical Toxicology. 2019;57(12):1220-1413"	-	
17396453	-	
Cyclobenzaprine;Doxylamine;Herbals\Mitragynine;Alprazolam		
Anxiety;Obsessive-Compulsive Disorder;Sleep Disorder	Accidental	
Overdose;Seizure;Influenza;Anxiety	Serious Died;Hospitalized	

Male	26-JUL-2018	07-FEB-2020	Direct	27 YR	72 KG
Fda-Ctu Consumer		Consumer	Xanax;Melatonin	-	
07-FEB-2020	US	Not Specified	-	-	-
17395799	-	Herbals\Mitragynine	Anxiety;Drug		
Dependence	Cardio-Respiratory Arrest;Withdrawal Of Life				
Support;Seizure	Serious Died;Hospitalized	Male	25-JAN-2020		
07-FEB-2020	Direct	39 YR	85.5 KG	Fda-Ctu Consumer	
Consumer	-	-	07-FEB-2020	US	Not Specified
17375186	-	Bupropion;Phentermine;Herbals\Mitragynine			
Product Used For	Unknown Indication	Death	Serious Died		
Female	-	06-FEB-2020	Expedited	40 YR	Not Specified
22-JAN-2020	06-FEB-2020	US	Not Specified	US-	
ALVOGEN-2020-ALVOGEN-107509	"Gummin DD, Mowry JB, Spyker DA, Brooks DE, Beuhler MC, Rivers LJ, et al. 2018 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 36th Annual Report. Clin Toxicol (Phila). 2019 Dec;57(12):1220-1413."	-			
17370294	Sertraline	Sertraline			
Hydrochloride;Cocaine;Diamorphine;Bupropion;Herbals\Mitragynine;Dextro methorphan;Chlorpheniramine Maleate	Suicide Attempt Completed				
Suicide Serious Died;Hospitalized	Male	-	05-FEB-2020		
Expedited	32 YR	Not Specified	Alvogen Healthcare		
Professional	Not Specified	-	22-JAN-2020	05-FEB-2020	
US	Not Specified	US-ALVOGEN-2020-			
ALVOGEN-103748	"Gummin DD, Mowry JB, Spyker DA, Brooks DE, Beuhler MC, Rivers LJ, et al. 2018 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 36th Annual Report. Clin Toxicol (Phila). 2019 Dec;57(12):1220-1413."				
-					
17375069	-	Herbals\Mitragynine	Alcoholism	Drug	
Dependence	Serious Disabled	Male	02-DEC-2019	04-	
FEB-2020	Direct	38 YR	Not Specified	Fda-Ctu Consumer	
Consumer	Zoloft	-	04-FEB-2020	US	Not Specified
17335034	-	-	-		
17335034	Venlafaxine	Venlafaxine			
Hydrochloride;Herbals\Mitragynine	Product Used For Unknown				
Indication	Drug Abuse	Serious Died	Male	-	28-
JAN-2020	Expedited	40 YR	Not Specified	Bausch And	
Lomb	Healthcare Professional	Not Specified	-	17-JAN-2020	
28-JAN-2020	US	Not Specified	US-BAUSCH-		
BL-2020-001913	"Gummin D, Mowry J, Spyker D, Brooks D, Beuhler M, Rivers L, Hashem H, Ryan M. 2018 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 36th Annual Report. Clinical Toxicology. 2019 NOV 21;57(12):1220-1413. doi:10.1080/15563650.2019.1677022"	-			
17323469	-	Herbals\Mitragynine	-	Dyspnoea;Chest	
Discomfort;Abdominal Pain Upper;Influenza Like Illness	Serious Other				
Outcomes	Female	02-JAN-2018	24-JAN-2020	Direct	58 YR

74.84 KG	Fda-Ctu	Not Specified	Not Specified	-
-	24-JAN-2020	US	Not Specified	-
-				
17282735	Heroin	Diamorphine;Herbals\Mitragynine;Sertraline		
Hydrochloride;Bupropion;Cocaine;Codeine;Chlorpheniramine;Dextromethorphan Hydrobromide	-	Respiratory Arrest;Completed		
Suicide;Cardiac Arrest	Serious	Died;Hospitalized	Male	2018
24-JAN-2020	Expedited	32 YR	Not Specified	Pfizer
Healthcare Professional	Not Specified	-	11-JAN-2020	
17-JAN-2020	US	Not Specified	US-PFIZER	
INC-2020016502	"Gummin, D..	2018 Annual Report of the American		
Association of Poison Control Centers' National Poison Data System	(NPDS): 36th Annual Report. Clinical Toxicology. 2019;57			
(12):1220-1413"	-			
17332257	-	Herbals\Mitragynine	Anxiety	
Tremor;Anxiety;Muscle Spasms;Somnolence	Serious	Disabled	Male	
14-JAN-2020	23-JAN-2020	Direct	44 YR	81 KG
Ctu	Consumer	Consumer	-	23-JAN-2020
US	Not Specified	-	-	-
17332248	-	Herbals\Mitragynine;Lisinopril	Hypertension	
Angioedema	Serious	Hospitalized	Male	23-JAN-2020
23-JAN-2020	Direct	46 YR	84.8 KG	Fda-Ctu
Professional	Health Professional	-	-	23-JAN-2020
US	Not Specified	-	-	-
17310367	Heroin;Goprelto;Sertraline	Sertraline		
Hydrochloride;Cocaine				
Hydrochloride;Chlorpheniramine;Herbals\Mitragynine;Bupropion;Diamorphine;Dextromethorphan	Product Used For Unknown Indication			
Completed Suicide;Respiratory Arrest;Cardiac Arrest	Serious	Died		
Male	2018	23-JAN-2020	Expedited	32 YR
Specified	Genus Lifesciences	Healthcare Professional	Not	
Specified	-	13-JAN-2020	23-JAN-2020	US
Specified	US-GENUS_LIFESCIENCES-USA-POI0580202000150	Gummin		
D. 2018 Annual Report of the American Association of Poison Control	Centers National Poison Data System (NPDS): 36th Annual Report.			
Clinical Toxicology. 2019;57(12):1220-1413.	-			
17277794	-	Diazepam;Gabapentin;Herbals\Mitragynine	-	
Intentional Product Misuse	Serious	Died	Male	2018
23-JAN-2020	Expedited	41 YR	Not Specified	Pfizer
Healthcare Professional	Not Specified	-	22-JAN-2020	
16-JAN-2020	US	Not Specified	US-PFIZER	
INC-2020015208	"Gummin, D..	2018 Annual Report of the American		
Association of Poison Control Centers' National Poison Data System	(NPDS): 36th Annual Report. Clinical Toxicology. 2019;57			
(12):1220-1413"	-			
17301302	-	Herbals\Mitragynine	-	Death
Serious Died	Male	24-DEC-2019	21-JAN-2020	Direct
65.7 KG	Fda-Ctu	Consumer	Consumer	38 YR
Cannabidiol\Herbals	-	21-JAN-2020	US	Not Specified
-	-	-		

17286246 -  
Herbals\Mitragynine;Alcohol;Gabapentin;Diazepam Product Used For  
Unknown Indication Intentional Product Misuse Serious Died  
Male - 18-JAN-2020 Expedited 41 YR Not  
Specified Apotex Healthcare Professional Not Specified -  
06-JAN-2020 18-JAN-2020 US Not Specified US-  
APOTEX-2020AP005595 "Gummin DD, MowryJB, Spyker DA, Brooks DE,  
Beuhler MC, Rivers LJ, Hashem HA, Ryan ML. 2018 Annual Report of the  
American Association of Poison Control Centers' National Poison Data  
System (NPDS): 36th Annual Report. DOI: 10.1080/15563650.2019.1677022.  
Clinical Toxicology. 2019;57 (12):1220-1413" -  
17293120 - Herbals\Mitragynine Anxiety  
Dependence;Product Complaint;Drug Withdrawal Syndrome Serious Other  
Outcomes;Hospitalized Male 13-JAN-2020 17-JAN-2020 Direct  
23 YR 56.25 KG Fda-Ctu Consumer Consumer  
Clonazepam;Vitamin B12 - 17-JAN-2020 US Not  
Specified - - -  
17277216 - Sertraline Hydrochloride;Herbals\Mitragynine  
- Cardiac Arrest;Drug Abuse;Respiratory Arrest  
Serious Hospitalized;Died Male 2018 16-JAN-2020  
Expedited 36 YR Not Specified Pfizer Healthcare  
Professional Not Specified - 11-JAN-2020 16-JAN-2020  
US Not Specified US-PFIZER  
INC-2020016503 "Gummin, D.. 2018 Annual Report of the American  
Association of Poison Control Centers' National Poison Data System  
(NPDS): 36th Annual Report. Clinical Toxicology. 2019;57  
(12):1220-1413" -  
17276448 Sertraline Sertraline  
Hydrochloride;Herbals\Mitragynine Product Used For Unknown  
Indication Cardio-Respiratory Arrest;Drug Abuse Serious Other  
Outcomes;Died;Hospitalized Male 2018 16-JAN-2020  
Expedited 36 YR Not Specified Apotex Healthcare  
Professional Not Specified - 06-JAN-2020 16-JAN-2020  
US Not Specified US-APOTEX-2020AP006348 "Gummin DD,  
MowryJB, Spyker DA, Brooks DE, Beuhler MC, Rivers LJ, Hashem HA, Ryan  
ML. 2018 Annual Report of the American Association of Poison Control  
Centers' National Poison Data System (NPDS): 36th Annual Report. DOI:  
10.1080/15563650.2019.1677022. Clinical Toxicology. 2019;57  
(12):1220-1413" -  
17276446 Sertraline;Heroin  
Cocaine;Diamorphine;Dextromethorphan;Bupropion;Sertraline  
Hydrochloride;Herbals\Mitragynine;Chlorpheniramine Product Used  
For Unknown Indication Completed Suicide;Cardio-Respiratory Arrest  
Serious Died;Other Outcomes;Hospitalized Male 2018  
16-JAN-2020 Expedited 32 YR Not Specified Apotex  
Healthcare Professional Not Specified - 06-JAN-2020  
16-JAN-2020 US Not Specified US-APOTEX-2020AP006347  
"Gummin DD, MowryJB, Spyker DA, Brooks DE, Beuhler MC, Rivers  
LJ, Hashem HA, Ryan ML. 2018 Annual Report of the American Association  
of Poison Control Centers' National Poison Data System (NPDS): 36th

Annual Report. DOI: 10.1080/15563650.2019.1677022. Clinical Toxicology. 2019;57 (12):1220-1413" -

17269189 Heroin;Sertraline Bupropion;Sertraline Hydrochloride;Dextromethorphan;Cocaine;Diamorphine;Chlorpheniramine Maleate;Herbals\Mitragynine - Completed Suicide;Toxicity To Various Agents Serious Hospitalized;Died Male - 14-JAN-2020 Expedited 32 YR Not Specified Bayer Healthcare Professional Not Specified - 02-JAN-2020 14-JAN-2020 US Not Specified US-BAYER-2020-004931 Gummin DD; Mowry JB; Spyker DA; Brooks DE; Beuhler MC; Rivers LJ; Hashem HA; Ryan ML. 2018 Annual Report of the American Association of Poison Control Centers. National Poison Data System (NPDS): 36th Annual Report. Clinical Toxicology. 2019;54:12:1220-1413 -

17268379 - Herbals\Mitragynine;Fentanyl Product Used For Unknown Indication Drug Abuse Serious Died;Other Outcomes Male - 14-JAN-2020 Non-Expedited 25 YR Not Specified Apotex Healthcare Professional Not Specified - 06-JAN-2020 14-JAN-2020 US Not Specified US-APOTEX-2020AP005256 "Gummin DD, MowryJB, Spyker DA, Brooks DE, Beuhler MC, Rivers LJ, Hashem HA, Ryan ML. 2018 Annual Report of the American Association of Poison Control Centersí National Poison Data System (NPDS): 36th Annual Report. DOI: 10.1080/15563650.2019.1677022. Clinical Toxicology. 2019;57 (12):1220-1413" -

17267222 - Fentanyl;Herbals\Mitragynine Product Used For Unknown Indication Drug Abuse Serious Died;Other Outcomes Male - 14-JAN-2020 Non-Expedited 33 YR Not Specified Apotex Healthcare Professional Not Specified - 06-JAN-2020 14-JAN-2020 US Not Specified US-APOTEX-2020AP005575 "Gummin DD, MowryJB, Spyker DA, Brooks DE, Beuhler MC, Rivers LJ, Hashem HA, Ryan ML. 2018 Annual Report of the American Association of Poison Control Centersí National Poison Data System (NPDS): 36th Annual Report. DOI: 10.1080/15563650.2019.1677022. Clinical Toxicology. 2019;57 (12):1220-1413" -

17267041 - Fentanyl;Cocaine;Herbals\Mitragynine Product Used For Unknown Indication Drug Abuse Serious Other Outcomes;Died Male - 14-JAN-2020 Non-Expedited 38 YR Not Specified Apotex Healthcare Professional Not Specified - 06-JAN-2020 14-JAN-2020 US Not Specified US-APOTEX-2020AP005359 "Gummin DD, MowryJB, Spyker DA, Brooks DE, Beuhler MC, Rivers LJ, Hashem HA, Ryan ML. 2018 Annual Report of the American Association of Poison Control Centersí National Poison Data System (NPDS): 36th Annual Report. DOI: 10.1080/15563650.2019.1677022. Clinical Toxicology. 2019;57 (12):1220-1413" -

17264540 - Bupropion;Herbals\Mitragynine;Phentermine Product Used For Unknown Indication Intentional Product Use Issue Serious Died Female - 13-JAN-2020 Expedited 40 YR Not Specified Apotex Healthcare Professional Not Specified - 06-JAN-2020 13-JAN-2020 US Not Specified US-APOTEX-2020AP006072 "Gummin DD,



MowryJB, Spyker DA, Brooks DE, Beuhler MC, Rivers LJ, Hashem HA, Ryan ML. 2018 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 36th Annual Report. DOI: 10.1080/15563650.2019.1677022. Clinical Toxicology. 2019;57

(12):1220-1413" -

17264092 Venlafaxine Hcl Venlafaxine

Hydrochloride;Herbals\Mitragynine - Drug Abuse

Serious Died Male 2018 13-JAN-2020 Expedited 40 YR

Not Specified Pfizer Healthcare Professional Not Specified

- 11-JAN-2020 13-JAN-2020 US Not Specified

US-PFIZER INC-2020013628 "Gummin, D.. 2018 Annual

Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 36th Annual Report. Clinical Toxicology.

2019;57 (12):1220-1413" -

17236200 - Herbals\Mitragynine Product Used For

Unknown Indication Mobility Decreased;Dizziness;Heart Rate

Irregular;Dyspnoea Serious Life Threatening;Disabled Female

02-JAN-2020 03-JAN-2020 Direct 26 YR 65.25 KG

Fda-Ctu Consumer Consumer Fish

Oil;Magnesium;Vitamin D - 03-JAN-2020 US Y -

- -

17225354 -

Acetaminophen\Methocarbamol;Diphenhydramine;Herbals\Mitragynine;Albuterol Sulfate;Citalopram;Ranitidine;Loratadine;Valacyclovir

Hydrochloride - Caesarean Section;Maternal Exposure During

Pregnancy Serious Other Outcomes Female - 02-JAN-2020

Expedited 37 YR Not Specified Sanofi Aventis

Healthcare Professional Not Specified - 20-DEC-2019 02-

JAN-2020 CA Not Specified CA-SA-2019SA354821 -

-

17218104 - Herbals\Mitragynine Depression;Pain Joint

Injury;Myalgia;Systemic Lupus

Erythematosis;Inflammation;Arthralgia;Antinuclear Antibody

Positive;Pain Serious Disabled;Other Outcomes Male - 28-

DEC-2019 Direct 37 YR 94.5 KG Fda-Ctu Consumer

Consumer Vitamins;Minerals - 28-DEC-2019 US

Not Specified - - -

17175499 - Herbals\Mitragynine Pain Emergency

Care;Depression;Mood Swings;Weight Decreased;Product Complaint;Drug

Dependence Serious Disabled Male 01-AUG-2018 19-

DEC-2019 Direct 46 YR Not Specified Fda-Ctu Consumer

Consumer - - 19-DEC-2019 US Not

Specified - - -

17173525 - Herbals\Mitragynine Insomnia

Toxicity To Various Agents;Injury Serious Hospitalized Female

03-DEC-2019 18-DEC-2019 Direct 58 YR 85.4 KG Fda-

Ctu Healthcare Professional Health Professional - -

18-DEC-2019 US Not Specified - - -

17159096 - Herbals\Mitragynine Product Used For

Unknown Indication Delusion;Anxiety Disorder;Anger;Bone Pain;Drug

Dependence;Condition Aggravated;Product Complaint;Crying;Emotional Distress;Bipolar I Disorder;Aggression;Homicidal Ideation;Mania									
Serious Other Outcomes;Hospitalized;Disabled Female 15-NOV-2019									
14-DEC-2019	Direct	23 YR	83.25 KG	Fda-Ctu					
Consumer	Consumer	Trazodone;Senna;Clonidine;Vitamin D3;Topiramate;Melatonin;Lamictal;Suboxone;Seroquel;Stool Softener (Docusate);Ibuprofen;Omeprazole;Claritin							
US	Not Specified	-	-	-	14-DEC-2019				
17115142	-	Herbals\Mitragynine	Depression;Pain						
Malaise	Serious	Other Outcomes	Female	16-AUG-2019	03-DEC-2019				
Direct	29 YR	61.2 KG	Fda-Ctu	Consumer	Consumer				
-	-	03-DEC-2019	US	Y	-	-			
-									
17049729	-	Herbals\Mitragynine	-	Product					
Complaint;Drug Dependence	Serious	Other Outcomes	Male	12-					
NOV-2019	19-NOV-2019	Direct	40 YR	81 KG	Fda-Ctu				
Consumer	Consumer	-	-	19-NOV-2019	US				
Not Specified	-	-	-						
17039019	Amlodipine;Fluoxetine		Fluoxetine						
Hydrochloride;Herbals\Mitragynine;Bentiamine\Bucetin\Caffeine\Ethenzamide;Diphenhydramine;Trimipramine;Amlodipine Besylate;Sildenafil									
Product Used For Unknown Indication Pneumonia;Pulmonary									
Oedema;Toxicity To Various Agents Serious Other Outcomes;Died									
Male	-	15-NOV-2019	Expedited	56 YR	Not				
Specified	Mylan	Consumer	Not Specified	-	12-				
NOV-2019	15-NOV-2019	DE	Not Specified	DE-					
MYLANLABS-2019M1109866 "Fels H, Lottner-Nau S, Sax T, Roider G, Graw M, Auwärter V et. al.. Postmortem concentrations of the synthetic opioid U-47700 in 26 fatalities associated with the drug. Forensic Sci Int.. 2019"									
17024940	-	Herbals\Mitragynine;Fentanyl	Product Used						
For Unknown Indication Toxicity To Various Agents Non-Serious									
Non-Serious	Female	-	13-NOV-2019	Non-Expedited					
31 YR	Not Specified	Mylan	Healthcare Professional	Not					
Specified	-	28-OCT-2019	13-NOV-2019	US	Not				
Specified	US-MYLANLABS-2019M1103820		-	-					
17021954	-	Herbals\Mitragynine	Drug Abuse	Drug					
Dependence;Socioeconomic Precarity;Loss Of Personal Independence In Daily Activities									
Non-Serious	Non-Serious	Non-Serious	Male	01-					
NOV-2018	10-NOV-2019	Direct	36 YR	63 KG	Fda-Ctu				
Consumer	Consumer	Adderall;Tylenol	-	10-					
NOV-2019	US	Not Specified	-	-					
17005702	-	Herbals\Mitragynine	Back Pain	Night					
Sweats;Pruritus;Weight Decreased;Anxiety;Loss Of Personal Independence In Daily Activities;Diarrhoea;Affective									
Disorder;Insomnia;Depression;Drug Dependence;Dyskinesia;Drug Withdrawal Syndrome;Anger									
Serious	Life Threatening	Male							
05-NOV-2019	05-NOV-2019	Direct	36 YR	63 KG	Fda-				
Ctu	Consumer	Consumer	-	-	05-NOV-2019				
US	Not Specified	-	-	-					

16997145	-	Herbals\Mitragynine	Substance Use			
Tachyphrenia;Drug Dependence;Overdose;Withdrawal Syndrome						
Serious	Hospitalized;Disabled	Male	-	01-NOV-2019	Direct	
Not Specified	81 KG	Fda-Ctu	Consumer	Consumer		
-	-	01-NOV-2019	US	Not Specified	-	
-	-					
16946302	-	Herbals\Mitragynine	Anxiety;Pain			
Insomnia;Stress;Influenza;Depression;Rash;Nausea;Decreased						
Appetite;Weight Decreased;Weight Increased;Anxiety;Diarrhoea						
Serious	Other Outcomes	Female	10-OCT-2019	18-OCT-2019	Direct	
31 YR	65.25 KG	Fda-Ctu	Consumer	Consumer		
Omega-3	Fatty Acids	-	18-OCT-2019	US	Not	
Specified	-	-	-			
16934585	-	Herbals\Mitragynine	-	Socioeconomic		
Precarity;Impaired Reasoning;Loss Of Employment;Anger;Aggression;Drug						
Dependence	Non-Serious	Non-Serious	Male	01-JUL-2019		
17-OCT-2019	Direct	60 YR	74.25 KG	Fda-Ctu		
Consumer	Consumer	-	-	17-OCT-2019	US	
Not Specified	-	-	-			
16928532	Amlodipine;Fluoxetine	Trimipramine;Fluoxetine				
Hydrochloride;Sildenafil;Amlodipine						
Besylate;Herbals\Mitragynine;	Diphenhydramine	Product Used For				
Unknown Indication	Pulmonary Haemorrhage;Toxicity To Various					
Agents;Pneumonia Aspiration;Pulmonary Oedema	Serious Died;Other					
Outcomes	Male	-	17-OCT-2019	Expedited	56 YR	
Not Specified	Lupin	Healthcare Professional	Not Specified			
-	07-OCT-2019	17-OCT-2019	DE	Not Specified		
DE-LUPIN PHARMACEUTICALS INC.-2019-06639 "Fels H,						
Lottner-Nau S, Sax T, Roider G, Graw M, Auwarter V et al. Postmortem						
concentrations of the synthetic opioid U-47700 in 26 fatalities						
associated with the drug. Forensic Science International.						
2019;301:E20-E28"						
16934580	-	Herbals\Mitragynine	Anxiety;Stress			
Seizure Serious	Died	Male	20-AUG-2019	16-OCT-2019	Direct	
36 YR	72 KG	Fda-Ctu	Consumer	Consumer		
Zoloft;Librium;Zofran;Lopressor;Lantus;Gabapentin				-	16-	
OCT-2019	US	Not Specified	-	-	-	
16861331	-	Herbals\Mitragynine	Substance Use			
Musculoskeletal Disorder;Cardiac Arrest;Headache;Dysstasia						
Serious	Died	Male	-	23-SEP-2019	Direct	69 YR 170 LB
Fda-Ctu	Consumer	Consumer	-	-	23-	
SEP-2019	US	Y	-	-	Yes	
16838587	-	Herbals\Mitragynine	Anxiety			
Hyperhidrosis;Intentional Overdose;Depression;Vomiting;Sensitive						
Skin;Product Contamination Physical;Drug						
Diversions;Nightmare;Irritability	Serious	Disabled			Not	
Specified	14-SEP-2019	20-SEP-2019	Direct	38 YR	83.25	
KG	Fda-Ctu	Consumer	Consumer	Melatonin;Lecithin		
-	20-SEP-2019	US	Not Specified	-	-	
-						

16053365	Propranolol;Buspirone	Buspirone				
	Hydrochloride;Mirtazapine;Propranolol					
	Hydrochloride;Gabapentin;Nordazepam;Diazepam;Herbals\Mitragynine					
	Product Used For Unknown Indication	Drug				
	Interaction;Unresponsive To Stimuli;Toxicity To Various Agents					
Serious Died	Not Specified	2017	19-SEP-2019	Expedited		
	Not Specified	Not Specified	Lannett Healthcare			
Professional	Not Specified	-	25-FEB-2019	08-MAR-2019		
US	Not Specified	"US-LANNETT COMPANY, INC.-				
US-2019LAN000226"	"Gershman K, Timm K, Frank M, Lampi L, Melamed J, Gerona R, et al.. Deaths in Colorado attributed to Kratom. N-Engl-J-Med. 2019;380(1):97-98"	-				
16822803	-	Herbals\Mitragynine;Device	-	Drug		
Dependence	Non-Serious	Non-Serious	Not Specified	01-		
SEP-2018	18-SEP-2019	Direct	Not Specified	Not Specified		
	Fda-Ctu Consumer	Consumer	-	-	18-	
SEP-2019	US	Not Specified	-	-	-	
16767623	-	Herbals\Mitragynine	Anxiety;Depression			
	Decreased Appetite;Mood					
	Swings;Amnesia;Insomnia;Vomiting;Hallucination;Depression;Muscle					
	Twitching;Psychotic Disorder;Withdrawal Syndrome	Non-Serious				
	Non-Serious	Male	15-AUG-2019	29-AUG-2019	Direct	
58 YR	81 KG	Fda-Ctu Consumer	Consumer	-		
-	29-AUG-2019	US	Not Specified	-	-	
-						
16692189	-	Herbals\Mitragynine	-	Confusional		
	State;Hallucination;Agitation;Miosis;Paranoia	Serious	Other			
Outcomes;Hospitalized	Female	10-AUG-2019	10-AUG-2019	Direct		
58 YR	116 KG	Fda-Ctu Healthcare Professional	Health			
Professional	-	-	10-AUG-2019	US	Not Specified	
-	-	-				
16668064	-	Herbals\Mitragynine	Anxiolytic Therapy			
	Toxicity To Various Agents;Accidental Death	Serious	Died			
Male	08-MAY-2019	04-AUG-2019	Direct	30 YR	85.5	
KG	Fda-Ctu Consumer	Consumer	-	-	04-	
AUG-2019	US	Not Specified	-	-	-	
16286856	Methadone	Herbals\Mitragynine;Oxazepam;Methadone				
	Hydrochloride;Bromazepam;Morphine Sulfate	-	Toxicity To			
Various Agents	Serious Died	Male	-	26-JUL-2019		
Expedited	36 YR	Not Specified	Pfizer	Healthcare		
Professional	Not Specified	-	22-JUL-2019	08-MAY-2019		
FR	Not Specified	FR-PFIZER				
INC-2019194321	"Bourgine, J.. Fatal intoxication with Kratom: A case report. Toxicologie Analytique et Clinique. 2019;31 (Suppl 2):S36-S37"					
-						
16608035	-	Herbals\Mitragynine	-	Blood Creatine		
	Phosphokinase					
	Increased;Nausea;Vomiting;Hypertransaminasaemia;Abdominal Pain					
Serious Life Threatening;Hospitalized	Female	21-JUN-2019	19-			
JUL-2019	Direct	27 YR	Not Specified	Fda-Ctu Healthcare		

Professional	Health Professional	-	-	19-JUL-2019
US	Not Specified	-	-	-
16597702	-	Herbals\Mitragynine	-	Hepatotoxicity
Serious	Hospitalized	Male	09-JUN-2019	18-JUL-2019
Direct	18 YR	58.5 KG	Fda-Ctu Healthcare Professional	Health
Professional	-	-	18-JUL-2019	US
-	-	-	-	Not Specified
16565419	-	Herbals\Mitragynine	-	Abdominal
Discomfort;Malaise;Pain;Vomiting	Non-Serious	Non-Serious	Non-Serious	Non-Serious
Female	18-MAY-2019	12-JUL-2019	Direct	22 YR
KG	Fda-Ctu Consumer	Consumer	-	51.75
JUL-2019	US	Not Specified	-	12-
16534204	-	Herbals\Mitragynine	Decreased Appetite	
Loss Of Consciousness;Seizure	Serious	Other Outcomes	Male	
02-JUL-2019	04-JUL-2019	Direct	37 YR	94.5 KG
Ctu	Consumer	Consumer	Ibuprofen	Fda-
JUL-2019	US	Not Specified	-	04-
16516317	-	Herbals\Mitragynine	-	Toxicity To
Various Agents	Serious	Other Outcomes;Hospitalized;Died	Male	
OCT-2018	02-JUL-2019	Direct	37 YR	Not Specified
Fda-Ctu	Not Specified	Not Specified	-	02-
JUL-2019	US	Not Specified	-	-
16502543	-	Herbals\Mitragynine	-	Death
Serious Died	Female	01-JUL-2019	Direct	56 YR
Specified	Fda-Ctu	Not Specified	Not Specified	Not
01-JUL-2019	US	Not Specified	-	-
16489051	-	Herbals\Mitragynine	-	Death
Serious Died	Male	08-APR-2019	26-JUN-2019	Direct
Not Specified	Fda-Ctu	Not Specified	Not Specified	22 YR
-	26-JUN-2019	US	Not Specified	-
-	-	-	-	-
16480216	-	Herbals\Mitragynine;Dextroamphetamine Sulfate		
Depression;Insomnia;Product Used For Unknown Indication				
Posterior Reversible Encephalopathy Syndrome;Drug Abuse	Serious			
Hospitalized	Male	26-JUN-2019	Expedited	22 YR
Not Specified	Arbor	Healthcare Professional	Not Specified	
Cannabis Sativa Subsp. Indica Top;Quetiapine;Fluoxetine	13-			
JUN-2019	26-JUN-2019	US	Not Specified	"US-ARBOR
PHARMACEUTICALS, LLC-US-2019ARB000987"				"Castillo A, Payne JD, Nugent
K. Posterior reversible leukoencephalopathy syndrome after kratom				
ingestion. BAYLOR UNIV MED CENT PROC. 2017;30(3):355-357"				-
16486428	-	Herbals\Mitragynine	Therapy Cessation	
Vomiting;Anxiety;Toxicity To Various Agents;Abdominal				
Pain;Drug Abuse	Serious	Hospitalized	Male	24-JUN-2019
JUN-2019	Direct	30 YR	73.35 KG	25-
Professional	Health Professional	-	-	Fda-Ctu Healthcare
US	Not Specified	-	-	25-JUN-2019
16474228	-	Herbals\Mitragynine	Disturbance In	
Attention;Feeling Of Relaxation;Insomnia			Vitamin D	
Decreased;Drug Dependence;Alopecia;Weight Decreased;Blood Test				

Abnormal;Hepatic Function Abnormal				Serious Hospitalized;Life		
Threatening	Male	01-JUN-2019	25-JUN-2019	Direct	20 YR	
58.06 KG		Fda-Ctu Consumer		Consumer	-	
-	25-JUN-2019	US	Not Specified	-	-	
-						
16474739	-	Herbals\Mitragynine	Anxiety Lung			
Adenocarcinoma	Serious Disabled;Life Threatening		Female	24-		
MAY-2019	24-JUN-2019	Direct	26 YR	48.6 KG	Fda-Ctu	
Consumer	Consumer	Carbamazepine;Topamax	-	24-		
JUN-2019	US	Not Specified	-	-	-	
16462155	-					
Nicotine;Herbals\Mitragynine;Carisoprodol;Doxylamine;Dextromethorphan;				Product Used For		
Caffeine;Hydrocodone;Meprobamate;Etizolam						
Unknown Indication	Fall;Tachycardia;Confusional					
State;Dyskinesia;Tremor	Serious Hospitalized	Not Specified	-			
21-JUN-2019	Expedited	Not Specified	Not Specified			
Alembic Healthcare Professional	Not Specified	-	07-			
JUN-2019	21-JUN-2019	US	Not Specified	US-ALEMBIC		
PHARMACUETICALS LIMITED-2019SCAL000383	"Scoccimarro A, Marino R,					
Shulman J. A case of etizolam withdrawal syndrome. Clinical						
Toxicology.. 2019;57 (6):427"	-					
16464326	-	Herbals\Mitragynine	-	Loss Of		
Consciousness;Depression;Dyspnoea	Serious Other Outcomes;Life					
Threatening	Female	29-APR-2019	20-JUN-2019	Direct	49 YR	
73.35 KG	Fda-Ctu Consumer		Consumer			
Xanax;Aimovig;Lunesta;Lamictal	-	20-JUN-2019	US	Y		
-	-	-				
16474745	-	Herbals\Mitragynine	-	Chest		
Pain;Adulterated Product;Dysgeusia;Nausea;Heart	Rate					
Increased;Agitation;Vomiting	Non-Serious	Non-Serious	Not			
Specified	09-JUN-2019	14-JUN-2019	Direct	Not Specified		
58.5 KG	Fda-Ctu Consumer	Consumer	-	-		
14-JUN-2019	US	Not Specified	-	-	-	
16430163	-	Herbals\Mitragynine	-	Nausea;Chest		
Pain;Heart Rate Increased;Agitation;Suspected Product						
Contamination;Vomiting;Dysgeusia;Anxiety;Adulterated Product	Non-					
Serious Non-Serious	Male	09-JUN-2019	14-JUN-2019	Direct		
24 YR	58.5 KG	Fda-Ctu Consumer	Consumer	-		
-	14-JUN-2019	US	Not Specified	-	-	
-						
15749102	-	Herbals\Mitragynine;Quetiapine	Product Used			
For Unknown Indication	Seizure Like Phenomena;Drug					
Interaction;Toxicity To Various Agents;Hyperthermia;Drug Level						
Increased;Herbal Interaction	Serious Other Outcomes;Died	Male				
-	07-JUN-2019	Expedited	27 YR	Not Specified		
Ranbaxy Healthcare Professional	Not Specified	-	23-			
MAY-2019	21-DEC-2018	US	Not Specified	US-SUN		
PHARMACEUTICAL INDUSTRIES LTD-2018R1-194438	Hughes RL. Fatal					
combination of mitragynine and quetiapine-a case report with						
discussion of a potential herb-drug interaction. Forensic Sci Med						

Pathol. 2019;15(1):110-113 -  
16392938 - Herbals\Mitragynine - Acute  
Myocardial Infarction;Hypertensive Emergency;Ventricular  
Fibrillation;Coronary Artery Occlusion Serious Hospitalized Male  
31-MAY-2019 04-JUN-2019 Direct 44 YR Not Specified  
Fda-Ctu Healthcare Professional Health Professional -  
- 04-JUN-2019 US Not Specified - -  
-  
16389981 - Herbals\Mitragynine;Morphine Sulfate  
Product Used For Unknown Indication Death Serious Died Not  
Specified - 04-JUN-2019 Expedited Not Specified  
Not Specified Allergan Healthcare Professional Not  
Specified - 29-MAY-2019 04-JUN-2019 US Not  
Specified US-ALLERGAN-1923449US Monte AA. Kratom-Only Deaths  
In Colorado Are Not Kratom Only. Academic Emergency Medicine.  
2019;26(S1):S282 -  
16370019 Zolpidem Zolpidem  
Tartrate;Oxycodone;Topiramate;Herbals\Mitragynine;Diphenhydramine;Tram  
adol Product Used For Unknown Indication Toxicity To Various  
Agents;Unresponsive To Stimuli Serious Died;Other Outcomes Not  
Specified - 30-MAY-2019 Non-Expedited Not Specified  
Not Specified Vivimed Labs Healthcare Professional Not  
Specified - 26-FEB-2019 30-MAY-2019 US Not  
Specified US-VIVIMED-2019SP001962 "Gershman K, Timm K, Frank M,  
Lampi L, Melamed J, Gerona R et al. Deaths in Colorado Attributed to  
Kratom. N Engl J Med. 2019;380(1):97-98" -  
16371118 - Herbals\Mitragynine - Toxicity To  
Various Agents Serious Died Male - 29-MAY-2019 Direct  
33 YR Not Specified Fda-Ctu Not Specified Not Specified  
- 29-MAY-2019 US Not Specified -  
-  
16357334 - Quetiapine;Herbals\Mitragynine;Valproic Acid  
- Drug Interaction;Toxicity To Various Agents  
Serious Died Male - 27-MAY-2019 Non-Expedited 27 YR  
Not Specified Sciegen Healthcare Professional Not Specified  
- 16-MAY-2019 27-MAY-2019 US Not Specified  
US-SCIEGEN PHARMACEUTICALS INC-2019SCILIT00181 "Rhome L.  
Hughes et.al.,;Fatal combination of mitragynine and quetiapine-a case  
report with discussion of a potential herb-drug interaction;Forensic  
Science Medicine and Pathology;29-NOV-2018;;" -  
16347037 - Quetiapine Fumarate;Herbals\Mitragynine  
Bipolar Disorder;Product Used For Unknown Indication Neuroleptic  
Malignant Syndrome;Drug Interaction;Hyperthermia;Toxicity To Various  
Agents;Muscle Rigidity;Tongue Haemorrhage;Discharge;Seizure  
Serious Died Not Specified - 23-MAY-2019 Expedited  
Not Specified Not Specified Alembic Healthcare  
Professional Not Specified Valproic Acid 09-MAY-2019 23-  
MAY-2019 US Not Specified US-ALEMBIC PHARMACEUTICALS  
LIMITED-2019SCAL000311 "Hughes R L. Fatal combination of mitragynine  
and quetiapine - a case report with discussion of a potential herb-

drug interaction. Forensic science, medicine, and pathology. 2019;15 (1):110-113" -

16024013 - Herbals\Mitragynine;Quetiapine Fumarate  
Product Used For Unknown Indication Herbal Interaction;Toxicity To  
Various Agents;Seizure;Hyperthermia Serious Died Male -  
17-MAY-2019 Expedited 27 YR Not Specified  
Intellipharmaeueuties Healthcare Professional Not Specified -  
07-MAY-2019 01-MAR-2019 US Not Specified US-  
INTELLIPHARMACEUTICS CORP.-2063404 "Journal: Forensic science,  
medicine, and pathology  
Author: Hughes RL  
Title: Fatal combination of mitragynine and quetiapine - a case report  
with discussion of a potential herb-drug interaction Volume: 15 (1)  
Year: 2019 Pages: 110-3" -

16316296 - Quetiapine Fumarate;Herbals\Mitragynine  
Product Used For Unknown Indication Drug Interaction;Toxicity To  
Various Agents Serious Died;Other Outcomes Male - 15-  
MAY-2019 Expedited 27 YR Not Specified Endo  
Healthcare Professional Not Specified - 07-MAY-2019 15-  
MAY-2019 US Not Specified US-ENDO PHARMACEUTICALS  
INC-2019-104558 "Hughes RL. Fatal combination of mitragynine and  
quetiapine - a case report with discussion of a potential herb-drug  
interaction. Forensic Science, Medicine, and Pathology.  
2019;15(1):110-113" -

16307114 - Herbals\Mitragynine - Toxicity To  
Various Agents Serious Hospitalized;Died Not Specified  
OCT-2018 13-MAY-2019 Direct 37 YR Not Specified Fda-  
Ctu Not Specified Not Specified - - 13-MAY-2019  
US Not Specified - - -

16289668 Methadone Methadone  
Hydrochloride;Oxazepam;Cocaine;Bromazepam;Morphine;Herbals\Mitragynine  
Product Used For Unknown Indication Toxicity To Various  
Agents;Pulmonary Oedema;Gastritis;Asphyxia;Pancreatitis Serious Other  
Outcomes;Died Male - 09-MAY-2019 Expedited 36 YR  
Not Specified Fresenius Kabi Healthcare Professional Not  
Specified - 01-MAY-2019 09-MAY-2019 FR Not  
Specified FR-FRESENIUS KABI-FK201905280 "Bourgine J, Garnier-  
Jardin C, Chretien B, Le Boisselier R, Loilier M, Lelong-Boulouard V,  
et al.. Fatal intoxication with Kratom: A case report. Toxicologie  
Analytique et Clinique. 2019 MAY;VOL. 31:S36-S37." -

16288357 - Herbals\Mitragynine;Quetiapine -  
Toxicity To Various Agents;Drug Interaction Serious Other  
Outcomes;Died Male - 08-MAY-2019 Expedited 27 YR  
Not Specified Alignscience Pharma Healthcare  
Professional Not Specified Valproic Acid 22-APR-2019 08-  
MAY-2019 US Not Specified US-ALS-2019-000002 Hughes  
RL. Fatal combination of mitragynine and quetiapine-a case report with  
discussion of a potential herb-drug interaction. Forensic Sci Med  
Pathol. 2019; 15(1): 110-3. -

16266419 - Herbals\Mitragynine;Quetiapine Product Used



For Unknown Indication	Drug Interaction;Toxicity To Various Agents					
16268989	Serious Died	Male	-	06-MAY-2019	Expedited	
27 YR	Not Specified	Sandoz	Healthcare Professional	Not Specified		
16268989	Valproic Acid	02-MAY-2019	02-MAY-2019	US		
16268989	Not Specified	PHHY2019US099059	"Hughes RL. Fatal combination of mitragynine and quetiapine - a case report with discussion of a potential herb-drug interaction. FORENSIC SCIENCE, MEDICINE, AND PATHOLOGY. 2019;15(1):110-3"	-		
16268989	Oxycodone And Acetaminophen;Methadone	Methadone Hydrochloride;Herbals\Mitragynine;Acetaminophen\Oxycodone Hydrochloride;Tramadol	Pain;Product Used For Unknown Indication			
16268989	Accidental Overdose;Irritability;Rhinorrhoea;Pain;Drug Withdrawal Syndrome	Serious Hospitalized	Female	-	03-MAY-2019	
16268989	Non-Expedited	60 YR	Not Specified	Apotex		
16268989	Healthcare Professional	Not Specified				
16268989	Buprenorphine;Pregabalin;Duloxetine	23-APR-2019	03-MAY-2019			
16268989	US	Not Specified	US-APOTEX-2019AP013423	Buresh M..		
16268989	Treatment of Kratom Dependence With Buprenorphine-Naloxone Maintenance;DOI:10.1097/ADM.000000000000428. Journal of Addiction Medicine. 2018;12:481-483	-				
16383121	-	Herbals\Mitragynine	Substance Use			
16383121	Respiratory Arrest;Skin Discolouration;Loss Of Consciousness					
16383121	Serious Other Outcomes	Female	29-APR-2019	02-MAY-2019	Direct	
16383121	49 YR	73.35 KG	Fda-Ctu Consumer	Consumer		
16383121	Fluvoxamine;Lunesta;Lamictal;Wellbutrin	-	02-MAY-2019			
16383121	US	Not Specified	-	-		
16265229	-	Herbals\Mitragynine	Pain In Extremity			
16265229	Dizziness;Chest Discomfort;Cardiac Flutter;Presyncope					
16265229	Serious Life Threatening	Male	30-APR-2019	02-MAY-2019		
16265229	Direct	53 YR	83.01 KG	Fda-Ctu Not Specified	Not Specified	
16265229	Specified	Diazepam;Fludrocortisone	-	02-MAY-2019		
16265229	US	Not Specified	-	-		
16260968	-	Herbals\Mitragynine	Substance Use			
16260968	Seizure;Withdrawal Syndrome;Insomnia;Drug Dependence	Serious				
16260968	Disabled;Hospitalized	Male	27-APR-2019	30-APR-2019	Direct	
16260968	19 YR	74.84 KG	Fda-Ctu Not Specified	Not Specified		
16260968	-	30-APR-2019	US	Not Specified	-	
16260968	-	-	-	-		
16242868	-	Herbals\Mitragynine	-	Drug		
16242868	Dependence;Overdose	Serious Required Intervention;Other Outcomes				
16242868	Female	06-MAR-2019	25-APR-2019	Direct	62 YR	Not Specified
16242868	Specified	Fda-Ctu Not Specified	Not Specified	-	-	
16242868	25-APR-2019	US	Not Specified	-	-	
16227577	-	Herbals\Mitragynine	Self-Medication			
16227577	Overdose;Drug Dependence	Serious Disabled;Hospitalized;Life Threatening				
16227577	Female	06-MAR-2019	22-APR-2019	Direct	62 YR	
16227577	63 KG	Fda-Ctu Consumer	Consumer	-	-	
16227577	22-APR-2019	US	Not Specified	-	-	
16228506	-	Herbals\Mitragynine	Drug Use Disorder			
16228506	Homeless;Drug Dependence;Loss Of Employment;Drug Withdrawal					

Syndrome	Serious	Disabled;Hospitalized	Male	16-SEP-2016
21-APR-2019	Direct	30 YR	81 KG	Fda-Ctu Consumer
Consumer	-	-	21-APR-2019	US Not
Specified	-	-	-	
16218126	-			
Herbals\Mitragynine;Caffeine;Citalopram;Mirtazapine				Product Used
For Unknown Indication		Cardio-Respiratory Arrest;Toxicity To Various		
Agents	Serious Hospitalized;Died	Male	-	19-APR-2019
Expedited	32 YR	Not Specified	Torrent	Healthcare
Professional	Not Specified	-	12-APR-2019	19-APR-2019
US	Not Specified	US-TORRENT-00008321	-	-
16212272	-	Herbals\Mitragynine		Substance Use
Withdrawal Syndrome;Seizure		Serious Life		
Threatening;Died;Disabled;Hospitalized		Male	01-APR-2019	18-
APR-2019	Direct	Not Specified	Not Specified	Fda-Ctu Not
Specified	Not Specified	-	-	18-APR-2019 US
Not Specified	-	-	-	
16212271	-	Herbals\Mitragynine	-	Unresponsive
To Stimuli	Serious Died	Male	-	18-APR-2019 Direct
35 YR	Not Specified	Fda-Ctu	Not Specified	Not Specified
-	-	18-APR-2019	US	Not Specified -
-	-			
16212240	-	Herbals\Mitragynine	-	Cardiac Arrest
Serious Died	Male	-	18-APR-2019	Direct 27 YR
Not Specified	Fda-Ctu	Not Specified	Not Specified	-
-	18-APR-2019	US	Not Specified	- -
-				
16212231	-	Herbals\Mitragynine	-	Unresponsive
To Stimuli	Serious Died	Male	-	18-APR-2019 Direct
26 YR	Not Specified	Fda-Ctu	Not Specified	Not Specified
-	-	18-APR-2019	US	Not Specified -
-	-			
16202264	-	Herbals\Mitragynine	-	Drug Screen
Positive;Vomiting;Headache		Non-Serious	Non-Serious	Female
02-APR-2019	15-APR-2019	Direct	30 YR	54 KG Fda-
Ctu	Consumer	Consumer	-	15-APR-2019
US	Y	-	-	
16197682	-	Herbals\Mitragynine		Restless Legs Syndrome
Blepharospasm;Product Contamination		Physical;Near Death		
Experience;Bruxism;Product Contamination				
Microbial;Hallucination;Cognitive Disorder;Constipation		Non-Serious		
Non-Serious	Male	12-APR-2019	14-APR-2019	Direct
66 YR	110.25 KG	Fda-Ctu	Consumer	Consumer
Hydroxyzine;Losartan;Vitamin D				
Nos;Anastrozole;Metformin;Cinnamon;Fish				
Oil;Vitamins;Magnesium;Lecithin;Testosterone;Atorvastatin				-
14-APR-2019	US	Not Specified	-	- -
16197668	-	Herbals\Mitragynine		Drug Dependence
Product Complaint;Drug Dependence;Impaired Quality Of Life				
Serious Other Outcomes;Life Threatening;Hospitalized		Male	01-	

MAR-2015	12-APR-2019	Direct	34 YR	81 KG	Fda-Ctu
Consumer	Consumer	-	-	12-APR-2019	US
Not Specified	-	-	-		
16187592	Alcohol (Alcohol)				
Diphenhydramine;Alcohol;Lorazepam;Herbals\Mitragynine;Buprenorphine					
-	Road Traffic Accident;Miosis;Loss Of Consciousness				
Serious	Other Outcomes	Male	-	12-APR-2019	
Expedited	63 YR	Not Specified	Sanofi Aventis	Healthcare	
Professional	Not Specified	-	05-APR-2019	12-APR-2019	
US	Not Specified	US-SA-2019SA097014	"Tiscione		
N.B., Alford I.K., Miller R., Shan X., Yeatman D.T.. Driving under the Influence of Drugs: When the Law Misses the Mark. Journal of Analytical Toxicology. 2019;43:138-143" -					
16166917	Methadone;Trazodone;Zolpidem	Lamotrigine;Zolpidem			
Tartrate;Buprenorphine;Doxylamine;Diphenhydramine;Chlorpheniramine;Lev orphanol;Trazodone Hydrochloride;Methadone					
Hydrochloride;Herbals\Mitragynine;Gabapentin;Fentanyl;Cyclobenzaprine; Topiramate;Carisoprodol;Tramadol;Oxycodone					
Unknown	Indication	Injury;Accident;Impaired Driving Ability	Product Used For		
Serious	Died;Other Outcomes	Not Specified	-	09-	
APR-2019	Expedited	Not Specified	Not Specified		
Johnson And Johnson	Healthcare Professional	Not Specified	-		
26-MAR-2019	08-APR-2019	US	Not Specified	US-	
JNJFOC-20190407184	"Tiscione NB, Alford IK, Miller R, Shan X, Yeatman DT. Driving Under the Influence of Drugs: When the Law Misses the Mark. Journal of Analytical Toxicology 2019;43:138-143."	-			
16166904	Alcohol (Alcohol)				
Alcohol;Buprenorphine;Lorazepam;Diphenhydramine;Herbals\Mitragynine					
Product Used For Unknown Indication Miosis;Loss Of					
Consciousness;Accident Serious Other Outcomes Male - 08-					
APR-2019	Expedited	63 YR	Not Specified	Johnson And	
Johnson Healthcare Professional	Not Specified	-	26-MAR-2019		
08-APR-2019	US	Not Specified	US-JNJFOC-20190405655		
"Tiscione NB, Alford IK, Miller R, Shan X, Yeatman DT. Driving Under the Influence of Drugs: When the Law Misses the Mark. Journal of Analytical Toxicology 01-Oct-2018;2019;43:138-143." -					
16156491	Alcohol (Alcohol)	Diphenhydramine			
Hydrochloride;Alcohol;Carfentanil;Buprenorphine;Herbals\Mitragynine;Lo razepam;Norbuprenorphine					
-	Labelled Drug-Food Interaction				
Medication Error;Benzodiazepine Drug Level Increased;Road Traffic Accident;Loss Of Consciousness;Miosis;Drug Screen Positive					
Serious	Other Outcomes	Male	-	04-APR-2019	Expedited
63 YR	Not Specified	Procter And Gamble	Healthcare		
Professional	Not Specified	-	23-MAR-2019	04-APR-2019	
US	Not Specified	US-PROCTER_AND_GAMBLE-GS19035001			
"Tiscione NB, Alford IK, Miller R, Shan X, Yeatman DT. Driving Under the Influence of Drugs: When the Law Misses the Mark. J Anal Toxicol. 2019;43:138-143" -					
16141629	-	Herbals\Mitragynine	Anxiety;Pain		
Toxicity To Various Agents;Intentional Product Misuse Serious Died					

KG	Male	18-JAN-2019	31-MAR-2019	Direct	36 YR	125.1
	Fda-Ctu	Consumer	Consumer	Alprazolam;Effexor		
	-	31-MAR-2019	US	Not Specified	-	-
	-					
16139348	-	Herbals\Mitragynine	-	Drug Screen		
Positive;Abdominal Pain;Vomiting;Nausea;Tremor				Non-Serious		Non-
Serious Not Specified	23-MAR-2019	28-MAR-2019	Direct	Not		
Specified	Not Specified	Fda-Ctu	Not Specified	Not Specified		
	-	28-MAR-2019	US	Not Specified	-	
	-					
16102392	-	Herbals\Mitragynine;Citalopram				
Hydrobromide;Mirtazapine;Caffeine		Product Used For Unknown				
Indication	Drug Abuse;Cardio-Respiratory Arrest;Toxicity To					
Various Agents	Serious Died	Male	2017	21-MAR-2019		
Expedited	32 YR	Not Specified	Lannett Healthcare			
Professional	Not Specified	-	06-MAR-2019	21-MAR-2019		
US	Not Specified	"US-LANNETT COMPANY, INC.-				
US-2019LAN000321"	"Gummin DD, Mowry JB, Spyker DA, Brooks DE,					
Osterthaler KM, Banner W. 2017 Annual Report of the American						
Association of Poison Control Centersí National Poison Data System						
(NPDS): 35th Annual Report. CLINICAL TOXICOLOGY. 2018;56:12:1213-1415"						
	-					
16101916	Heroin	Diamorphine;Oxycodone				
Hydrochloride;Herbals\Mitragynine		Product Used For Unknown				
Indication	Toxicity To Various Agents;Drug Abuse	Serious Died				
Male	2017	21-MAR-2019	Expedited	44 YR	Not	
Specified	Lannett Healthcare	Professional	Not Specified	-		
	06-MAR-2019	21-MAR-2019	US	Not Specified	"US-	
LANNETT COMPANY, INC.-US-2019LAN000655"	"David D. Gummin MD, James B.					
Mowry PharmD, Daniel A. Spyker PhD, MDd, Daniel E. Brooks MD. 2017						
Annual Report of the American Association of Poison Control Centersí						
National Poison Data System (NPDS): 35th Annual Report. Clinical						
Toxicology. CLINICAL TOXICOLOGY. 2018;56:12:1213-1415"	-					
16099194	-					
Herbals\Mitragynine;Citalopram;Ranitidine;Albuterol;Diphenhydramine;Ac						
etaminophen\Methocarbamol;Loratadine;Valacyclovir Hydrochloride -						
Maternal Exposure During Pregnancy;Caesarean Section						
Serious Other Outcomes	Female	-	21-MAR-2019	Expedited		
37 YR	Not Specified	Bayer	Healthcare	Professional	Not	
Specified	-	15-MAR-2019	21-MAR-2019	CA	Not	
Specified	CA-BAYER-2019-054297	"Murthy P, Clark D. An unusual				
cause for neonatal abstinence syndrome. Paediatrics and Child Health						
(Canada). 2019;24:1:12-14"	-					
16100702	-	Herbals\Mitragynine	Pain			
Gastroenteritis	Salmonella	Serious Hospitalized	Male	01-		
MAR-2019	19-MAR-2019	Direct	47 YR	67.5 KG	Fda-Ctu	
Consumer	Consumer	-	-	19-MAR-2019	US	
	Not Specified	-	-			
16088643	-	Herbals\Mitragynine	-	Death		
Serious Died	Male	2018	18-MAR-2019	Direct	24 YR	Not

Specified	Fda-Ctu	Not Specified	Not Specified	-	-
18-MAR-2019	US	Not Specified	-	-	-
16089459	-	Herbals\Mitragynine	Depression	Drug	
Dependence;Withdrawal	Syndrom	Adulterated Product	Non-Serious		
Non-Serious	Male	08-MAR-2019	17-MAR-2019	Direct	
31 YR 58.5 KG	Fda-Ctu	Consumer	Consumer		
Mirtazapine;Suboxone	-	17-MAR-2019	US	Y	-
-	-				
16117172	-	Herbals\Mitragynine	-		
Seizure;Cardiac Arrest	Serious	Died	Male	24-NOV-2018	15-
MAR-2019	Direct	40 YR	Not Specified	Fda-Ctu	Not Specified
Not Specified	-	-	15-MAR-2019	US	Not
Specified	-	-	-		
16083408	-	Herbals\Mitragynine	-	Multiple Organ	
Dysfunction Syndrome	Serious	Died	Male	16-FEB-2018	15-
MAR-2019	Direct	41 YR	Not Specified	Fda-Ctu	Not Specified
Not Specified	-	-	15-MAR-2019	US	Not
Specified	-	-	-		
16060417	Escitalopram	Escitalopram			
Oxalate;Herbals\Mitragynine		Back Pain;Major Depression;Product			
Used For Unknown Indication		Aspartate Aminotransferase			
Increased;Pruritus;Hyperbilirubinaemia;Blood Bilirubin Increased;Drug					
Interaction;Drug-Induced Liver Injury;Serum Ferritin					
Increased;Vomiting;Pollakiuria;Fatigue;Dysuria;Micturition					
Urgency;Blood Alkaline Phosphatase					
Increased;Chromaturia;Pyrexia;Decreased Appetite;Malaise;Alanine					
Aminotransferase Increased;Cytomegalovirus Test Positive;Hepatic					
Steatosis	Serious	Other Outcomes	Not Specified	-	12-
MAR-2019	Expedited	Not Specified	Not Specified		
Aurobindo	Healthcare Professional	Not Specified			
Valsartan;Metoprolol Tartrate;Fexofenadine;Clonazepam			25-FEB-2019		
12-MAR-2019	US	Not Specified	US-AUROBINDO-AUR-		
APL-2019-012534 "Osborne CS, Overstreet AN, Rockey DC and Schreiner					
AD.. Drug-Induced Liver Injury Caused by Kratom Use as an Alternative					
Pain Treatment Amid an Ongoing Opioid Epidemic.. Journal of					
Investigative Medicine High Impact Case Reports.. 2019;7:1-5"					-
16058080	Escitalopram	Escitalopram			
Oxalate;Herbals\Mitragynine		Back Pain;Product Used For Unknown			
Indication	Drug-Induced Liver Injury;Drug Interaction				
Serious Other Outcomes	Male	-	11-MAR-2019	Expedited	
47 YR	Not Specified	Taro	Healthcare Professional	Not	
Specified					
Clonazepam;Fexofenadine;Acetaminophen;Valsartan;Metoprolol Tartrate					
25-FEB-2019	11-MAR-2019	US	Not Specified	"US-	
TARO PHARMACEUTICALS USA.,INC-2019SUN00102"			"Osborne CS,		
Overstreet AN, Rockey DC, Schreiner AD. Drug-Induced Liver Injury					
Caused by Kratom Use as an Alternative Pain Treatment Amid an Ongoing					
Opioid Epidemic. J Investig Med High Impact Case Rep. 2019;7:1-5"					
-					
16053467	Alcohol (Alcohol)				

Alcohol;Cocaine;Fentanyl;Oxycodone Hydrochloride;Herbals\Mitragynine  
Product Used For Unknown Indication Drug  
Interaction;Unresponsive To Stimuli;Toxicity To Various Agents  
Serious Died Not Specified 2017 08-MAR-2019 Expedited  
Not Specified Not Specified Lannett Healthcare  
Professional Not Specified - 25-FEB-2019 08-MAR-2019  
US Not Specified "US-LANNETT COMPANY, INC.-  
US-2019LAN000228" "Gershman K, Timm K, Frank M, Lampi L, Melamed  
J, Gerona R, et al.. Deaths in Colorado attributed to Kratom. N-Engl-  
J-Med. 2019;380(1):97-98" -  
16053436 Alcohol (Alcohol) Alcohol;Oxycodone  
Hydrochloride;Herbals\Mitragynine Product Used For Unknown  
Indication Drug Interaction;Toxicity To Various Agents  
Serious Died Not Specified 2017 08-MAR-2019 Expedited  
Not Specified Not Specified Lannett Healthcare  
Professional Not Specified - 25-FEB-2019 08-MAR-2019  
US Not Specified "US-LANNETT COMPANY, INC.-  
US-2019LAN000227" "Gershman K, Timm K, Frank M, Lampi L, Melamed  
J, Gerona R, et al.. Deaths in Colorado attributed to Kratom. N-Engl-  
J-Med. 2019;380(1):97-98" -  
16053239 Sertraline Sertraline Hydrochloride;Hydroxyzine  
Hydrochloride;Temazepam;Clonazepam;Olanzapine;Herbals\Mitragynine  
Product Used For Unknown Indication Toxicity To Various  
Agents;Drug Interaction;Unresponsive To Stimuli Serious Died Not  
Specified 2017 08-MAR-2019 Expedited Not Specified  
Not Specified Lannett Healthcare Professional Not Specified  
- 25-FEB-2019 08-MAR-2019 US Not Specified  
"US-LANNETT COMPANY, INC.-US-2019LAN000225" "Gershman K,  
Timm K, Frank M, Lampi L, Melamed J, Gerona R, et al.. Deaths in  
Colorado attributed to Kratom. N-Engl-J-Med. 2019;380(1):97-98" -  
16053177 - Citalopram Hydrobromide;Herbals\Mitragynine  
Product Used For Unknown Indication Unresponsive To  
Stimuli;Toxicity To Various Agents;Drug Interaction Serious Died  
Not Specified 2016 08-MAR-2019 Expedited Not  
Specified Not Specified Lannett Healthcare Professional Not  
Specified - 25-FEB-2019 08-MAR-2019 US Not  
Specified "US-LANNETT COMPANY, INC.-  
US-2019LAN000224" "Gershman K, Timm K, Frank M, Lampi L, Melamed  
J, Gerona R, et al.. Deaths in Colorado attributed to Kratom. N-Engl-  
J-Med. 2019;380(1):97-98" -  
16053097 Zolpidem Zolpidem Tartrate;Diphenhydramine  
Hydrochloride;Herbals\Mitragynine;Tramadol;Topiramate;Oxycodone  
Hydrochloride Product Used For Unknown Indication Unresponsive  
To Stimuli;Toxicity To Various Agents;Asphyxia;Drug Interaction  
Serious Died Not Specified 2016 08-MAR-2019 Expedited  
Not Specified Not Specified Lannett Healthcare  
Professional Not Specified - 25-FEB-2019 08-MAR-2019  
US Not Specified "US-LANNETT COMPANY, INC.-  
US-2019LAN000223" "Gershman K, Timm K, Frank M, Lampi L, Melamed  
J, Gerona R, et al.. Deaths in Colorado attributed to Kratom. N-Engl-

J-Med. 2019;380(1):97-98" -

16053031 - Codeine Sulfate;Morphine;Herbals\Mitragynine  
Product Used For Unknown Indication Toxicity To Various  
Agents;Drug Interaction;Unresponsive To Stimuli Serious Died Not  
Specified 2016 08-MAR-2019 Expedited Not Specified  
Not Specified Lannett Healthcare Professional Not Specified  
- 25-FEB-2019 08-MAR-2019 US Not Specified  
"US-LANNETT COMPANY, INC.-US-2019LAN000222" "Gershman K,  
Timm K, Frank M, Lampi L, Melamed J, Gerona R, et al.. Deaths in  
Colorado attributed to Kratom. N-Engl-J-Med. 2019;380(1):97-98" -

16052938 Alcohol (Alcohol)  
Alcohol;Herbals\Mitragynine;Hydroxyzine  
Hydrochloride;Gabapentin;Etizolam;Naltrexone;Bupropion;Clonidine;Diazepam;  
Polyethylene Glycol 3350 Product Used For Unknown Indication  
Toxicity To Various Agents;Drug Interaction Serious Died  
Not Specified 2016 08-MAR-2019 Expedited Not  
Specified Not Specified Lannett Healthcare Professional Not  
Specified - 25-FEB-2019 08-MAR-2019 US Not  
Specified "US-LANNETT COMPANY, INC.-  
US-2019LAN000221" "Gershman K, Timm K, Frank M, Lampi L, Melamed  
J, Gerona R, et al. Deaths in Colorado attributed to Kratom. N-Engl-J-  
Med. 2019;380(1):97-98" -

16052848 Lidoderm;Pseudoephedrine.;Fetzima;Trazodone  
Gabapentin;Lithium;Trazodone Hydrochloride;Benztropine;Levomilnacipran  
Hydrochloride;Herbals\Mitragynine;Pseudoephedrine  
Hydrochloride;Morphine;Lidocaine;Oxycodone Hydrochloride;Fluoxetine  
Hydrochloride Product Used For Unknown Indication Unresponsive  
To Stimuli;Drug Interaction;Toxicity To Various Agents Serious Died  
Not Specified 2016 08-MAR-2019 Expedited Not  
Specified Not Specified Lannett Healthcare Professional Not  
Specified - 25-FEB-2019 08-MAR-2019 US Not  
Specified "US-LANNETT COMPANY, INC.-  
US-2019LAN000220" "Gershman K, Timm K, Frank M, Lampi L, Melamed  
J, Gerona R, et al.. Deaths in Colorado attributed to Kratom. N-Engl-  
J-Med. 2019;380(1):97-98" -

16052606 - Diphenhydramine  
Hydrochloride;Etizolam;Herbals\Mitragynine;Oxycodone Hydrochloride  
Product Used For Unknown Indication Toxicity To Various  
Agents;Unresponsive To Stimuli;Drug Interaction Serious Died Not  
Specified 2015 08-MAR-2019 Expedited Not Specified  
Not Specified Lannett Healthcare Professional Not Specified  
- 25-FEB-2019 08-MAR-2019 US Not Specified  
"US-LANNETT COMPANY, INC.-US-2019LAN000219" "Gershman K,  
Timm K, Frank M, Lampi L, Melamed J, Gerona R, et al. Deaths in  
Colorado attributed to Kratom. N-Engl-J-Med. 2019;380(1):97-98" -

16054998 - Herbals\Mitragynine -  
Nausea;Decreased Appetite;Schizophrenia;Amnesia Serious Other Outcomes  
Not Specified FEB-2019 07-MAR-2019 Direct Not  
Specified Not Specified Fda-Ctu Not Specified Not Specified  
- - 07-MAR-2019 US Not Specified -

16051419	-	Herbals\Mitragynine	Product Used For			
Unknown Indication		Palpitations;Product	Complaint;Heart Rate			
Increased;Food Interaction;Drug Interaction			Serious Other Outcomes			
Male	10-FEB-2019	07-MAR-2019	Direct	40 YR	100.8	
KG	Fda-Ctu Consumer	Consumer	Melatonin;Ibuprofen			
-	07-MAR-2019	US	Not Specified	-	-	
16019281		Zolpidem	Zolpidem			
Tartrate;Tramadol;Diphenhydramine;Herbals\Mitragynine;Oxycodone;Topiramate		Toxicity To Various Agents	Serious Died	Not		
Specified	-	05-MAR-2019	Expedited	Not Specified		
Not Specified	Teva	Healthcare Professional	Not Specified			
-	18-FEB-2019	28-FEB-2019	US	Not Specified		
US-TEVA-2019-US-1017582	"Gershman K, Timm K, Frank M, Lampi L, Melamed J, Gerona R, et al. Deaths in Colorado attributed to Kratom. N-Engl-J-Med 2019;380(1):97-98."					
16034667	-	Herbals\Mitragynine;Fentanyl	-			
Accidental Death;Toxicity To Various Agents		Serious Died	Male			
01-JAN-2019	04-MAR-2019	Direct	26 YR	Not Specified		
Fda-Ctu	Not Specified	Not Specified				
Acetylfentanyl;Xylazine	-	04-MAR-2019	US	Not Specified		
16032579		Escitalopram	Escitalopram			
Oxalate;Herbals\Mitragynine		Back Pain;Major Depression;Product				
Used For Unknown Indication		Drug Interaction;Drug-Induced Liver				
Injury Serious Other Outcomes	Male	-	04-MAR-2019			
Expedited	47 YR	Not Specified	Hetero	Healthcare		
Professional	Not Specified	Metoprolol				
Tartrate;Clonazepam;Fexofenadine;Valsartan		18-FEB-2019	04-			
MAR-2019	US	Not Specified	US-HETERO CORPORATE-			
HET2019US00249	"Osborne Caroline Stokes, Overstreet Amanda N, Rockey Don C, Schreiner Andrew D. Drug-Induced Liver Injury Caused by Kratom Use as an Alternative Pain Treatment Amid an Ongoing Opioid Epidemic. Journal of Investigative Medicine High Impact Case Reports. 2019"					
16025669		Hydroxyzine	Hydroxyzine			
Hydrochloride;Gabapentin;Bupropion Hydrochloride;Diazepam;Polyethylene Glycols;Naltrexone;Clonidine;Herbals\Mitragynine;Etizolam						
Product Used For Unknown Indication		Death	Serious Died;Other			
Outcomes	Not Specified	2016	02-MAR-2019	Expedited		
Not Specified	Not Specified	Zydus Pharm	Healthcare			
Professional	Not Specified	-	18-FEB-2019	02-MAR-2019		
US	Not Specified	US-ZYDUS-034105	"Gershman K, Timm K, Frank M, Lampi L, Melamed J, Gerona R, et al. Deaths in Colorado attributed to Kratom. N-Engl-J-Med 2019;380(1):97-98."			
16025668		Fluoxetine;Pseudoephedrine.;Trazodone;Hydroxyzine				
Hydroxyzine						
Hydrochloride;Lidocaine;Gabapentin;Oxycodone;Herbals\Mitragynine;Lithium;Trazodone Hydrochloride;Morphine\Morphine Hydrochloride\Morphine						



Sulfate\Morphine Tartrate;Levomilnacipran;Pseudoephedrine  
 Hydrochloride;Fluoxetine Hydrochloride;Benzotropine Product Used  
 For Unknown Indication Unresponsive To Stimuli;Death Serious  
 Died;Other Outcomes Not Specified 2016 02-MAR-2019  
 Expedited Not Specified Not Specified Zydus Pharm  
 Healthcare Professional Not Specified - 18-FEB-2019 02-  
 MAR-2019 US Not Specified US-ZYDUS-034104 "Gershman K,  
 Timm K, Frank M, Lampi L, Melamed J, Gerona R, et al. Deaths in  
 Colorado attributed to Kratom. N-Engl-J-Med 2019;380(1):97-98." -  
 16025661 Propranolol;Buspirone Buspirone  
 Hydrochloride;Propranolol  
 Hydrochloride;Nordazepam;Diazepam;Etizolam;Mirtazapine;Herbals\Mitragy  
 nine;Gabapentin Product Used For Unknown Indication Death  
 Serious Died;Other Outcomes Not Specified 2017 02-MAR-2019  
 Expedited Not Specified Not Specified Zydus Pharm  
 Healthcare Professional Not Specified - 18-FEB-2019  
 02-MAR-2019 US Not Specified US-  
 ZYDUS-034109 "Gershman K, Timm K, Frank M, Lampi L, Melamed J,  
 Gerona R, et al. Deaths in Colorado attributed to Kratom. N-Engl-J-Med  
 2019;380(1):97-98." -  
 16025650 Hydroxyzine;Sertraline Hydroxyzine  
 Hydrochloride;Sertraline  
 Hydrochloride;Temazepam;Olanzapine;Herbals\Tetrahydrocannabinol  
 Unspecified;Clonazepam;Herbals\Mitragynine Product Used For  
 Unknown Indication Unresponsive To Stimuli;Death;Cardiomegaly  
 Serious Other Outcomes;Died Not Specified 2017 02-  
 MAR-2019 Expedited Not Specified Not Specified Zydus  
 Pharm Healthcare Professional Not Specified - 18-FEB-2019  
 02-MAR-2019 US Not Specified US-  
 ZYDUS-034108 "Gershman K, Timm K, Frank M, Lampi L, Melamed J,  
 Gerona R, et al. Deaths in Colorado attributed to Kratom. N-Engl-J-Med  
 2019;380(1):97-98." -  
 16019298 Fluoxetine;Pseudoephedrine.  
 Oxycodone;Pseudoephedrine Hydrochloride;Fluoxetine  
 Hydrochloride;Herbals\Mitragynine - Drug Screen Positive  
 Serious Died Not Specified - 28-FEB-2019  
 Expedited Not Specified Not Specified Teva Healthcare  
 Professional Not Specified - 18-FEB-2019 28-FEB-2019  
 US Not Specified US-TEVA-2019-US-1017586 "Gershman K,  
 Timm K, Frank M, Lampi L, Melamed J, Gerona R, et al. Deaths in  
 Colorado attributed to Kratom. N-Engl-J-Med 2019;380(1):97-98." -  
 16019295 - Cocaine;Fentanyl;Herbals\Mitragynine;Oxycodone  
 Product Used For Unknown Indication Hepatic  
 Fibrosis;Portal Tract Inflammation;Drug Screen Positive Serious Died  
 Not Specified - 28-FEB-2019 Expedited Not  
 Specified Not Specified Teva Healthcare Professional Not  
 Specified - 18-FEB-2019 28-FEB-2019 US Not  
 Specified US-TEVA-2019-US-1017577 "Gershman K, Timm K, Frank M,  
 Lampi L, Melamed J, Gerona R, et al. Deaths in Colorado attributed to  
 Kratom. N-Engl-J-Med 2019;380(1):97-98." -

16019294 Sertraline Sertraline  
Hydrochloride;Olanzapine;Temazepam;Herbals\Mitragynine;Clonazepam  
- Drug Screen Positive Serious Died Not Specified  
- 28-FEB-2019 Expedited Not Specified Not  
Specified Teva Healthcare Professional Not Specified -  
18-FEB-2019 28-FEB-2019 US Not Specified US-  
TEVA-2019-US-1017581 "Gershman K, Timm K, Frank M, Lampi L, Melamed  
J, Gerona R, et al. Deaths in Colorado attributed to Kratom. N-Engl-J-  
Med 2019;380(1):97-98." -  
16019293 -  
Etizolam;Herbals\Mitragynine;Nordazepam;Mirtazapine - Drug  
Screen Positive Serious Died Not Specified - 28-FEB-2019  
Expedited Not Specified Not Specified Teva  
Healthcare Professional Not Specified - 18-FEB-2019 28-  
FEB-2019 US Not Specified US-TEVA-2019-  
US-1017579 "Gershman K, Timm K, Frank M, Lampi L, Melamed J,  
Gerona R, et al. Deaths in Colorado attributed to Kratom. N-Engl-J-Med  
2019;380(1):97-98." -  
16019287 - Herbals\Mitragynine;Oxycodone - Drug  
Screen Positive Serious Died Not Specified - 28-FEB-2019  
Expedited Not Specified Not Specified Teva  
Healthcare Professional Not Specified - 18-FEB-2019 28-  
FEB-2019 US Not Specified US-TEVA-2019-  
US-1017578 "Gershman K, Timm K, Frank M, Lampi L, Melamed J,  
Gerona R, et al. Deaths in Colorado attributed to Kratom. N-Engl-J-Med  
2019;380(1):97-98." -  
16019283 - Codeine;Herbals\Mitragynine;Morphine -  
Drug Screen Positive Serious Died Not Specified -  
28-FEB-2019 Expedited Not Specified Not Specified  
Teva Healthcare Professional Not Specified - 18-  
FEB-2019 28-FEB-2019 US Not Specified US-TEVA-2019-  
US-1017583 "Gershman K, Timm K, Frank M, Lampi L, Melamed J,  
Gerona R, et al. Deaths in Colorado attributed to Kratom. N-Engl-J-Med  
2019;380(1):97-98." -  
16019282 - Herbals\Mitragynine;Selegiline - Herbal  
Toxicity;Drug Screen Positive Serious Died Male - 28-  
FEB-2019 Expedited Not Specified Not Specified Teva  
Healthcare Professional Not Specified - 18-FEB-2019  
28-FEB-2019 US Not Specified US-TEVA-2019-  
US-1017580 "Gershman K, Timm K, Frank M, Lampi L, Melamed J,  
Gerona R, et al. Deaths in Colorado attributed to Kratom. N-Engl-J-Med  
2019;380(1):97-98." -  
16018913 - Herbals\Mitragynine;Quetiapine -  
Hyperthermia;Seizure;Drug Interaction Serious Died;Other Outcomes  
Male - 28-FEB-2019 Expedited 27 YR Not  
Specified Jubilant Healthcare Professional Not Specified  
Valproic Acid 18-FEB-2019 28-FEB-2019 US Not  
Specified US-JUBILANT CADISTA PHARMACEUTICALS-2019JUB00065  
Hughes R. Fatal combination of mitragynine and quetiapine ñ a  
case report with discussion of a potential herb-drug interaction.

Forensic Sci Med Pathol. 2019;15(1):110-113 -  
16017227 -  
Herbals\Mitragynine;Gabapentin;Etizolam;Acetaminophen - Herbal  
Toxicity;Drug Screen Positive Serious Died Male - 28-  
FEB-2019 Expedited Not Specified Not Specified Teva  
Healthcare Professional Not Specified - 18-FEB-2019  
28-FEB-2019 US Not Specified US-TEVA-2019-  
US-1017585 "Gershman K, Timm K, Frank M, Lampi L, Melamed J,  
Gerona R, et al. Deaths in Colorado attributed to Kratom. N-Engl-J-Med  
2019;380(1):97-98." -  
16005617 - Herbals\Mitragynine - Product  
Substitution Issue;Psychomotor Hyperactivity Serious Life  
Threatening;Other Outcomes;Hospitalized Female 24-JAN-2019 26-  
FEB-2019 Direct 35 YR Not Specified Fda-Ctu Not Specified  
Not Specified - - 26-FEB-2019 US Not  
Specified - - -  
16005421 - Herbals\Mitragynine - Physical  
Disability;Mental Disorder;Pollakiuria;Self-Medication;Emotional  
Distress;Anxiety;Thinking Abnormal;Insomnia;Weight Decreased  
Serious Disabled Male 02-FEB-2019 25-FEB-2019 Direct  
69 YR 72.57 KG Fda-Ctu Not Specified Not Specified  
- - 25-FEB-2019 US Not Specified -  
- -  
15793100 - Quetiapine;Herbals\Mitragynine Product Used  
For Unknown Indication Discharge;Hyperthermia;Toxicity To Various  
Agents;Seizure;Herbal Interaction;Tongue Haemorrhage Serious Life  
Threatening;Other Outcomes;Died Male - 25-FEB-2019  
Expedited 27 YR Not Specified Lupin Healthcare  
Professional Not Specified Valproic Acid 13-FEB-2019 07-  
JAN-2019 US Not Specified US-LUPIN PHARMACEUTICALS  
INC.-2018-09251 "Hughes RL. Fatal combination of mitragynine and  
quetiapine - a case report with discussion of a potential herb-drug  
interaction. Journal Forensic Science, Medicine and Pathology.  
2019;15:110-113" -  
15993191 - Quetiapine;Herbals\Mitragynine -  
Hyperthermia;Seizure;Drug Interaction;Toxicity To Various Agents  
Serious Other Outcomes;Died Male - 22-FEB-2019  
Expedited 27 YR Not Specified Unichem Healthcare  
Professional Not Specified Valproic Acid 13-FEB-2019 22-  
FEB-2019 US Not Specified US-UNICHEM PHARMACEUTICALS  
(USA) INC-UCM201902-000077 - -  
15992724 - Citalopram;Herbals\Mitragynine Product Used  
For Unknown Indication Death Serious Died Not Specified -  
21-FEB-2019 Expedited Not Specified Not Specified  
Mylan Healthcare Professional Not Specified - 12-  
FEB-2019 21-FEB-2019 US Not Specified US-  
MYLANLABS-2019M1015382 "Gershman K, Timm K, Frank M, Lampi L, Melamed  
J, Gerona R, et al. Deaths in Colorado attributed to Kratom. N-Engl-J-  
Med 2019;380(1):97-98." -  
15990743 -

Etizolam;Nordazepam;Herbals\Mitragynine;Mirtazapine	Product Used
For Unknown Indication	Death Serious Died Not Specified -
21-FEB-2019	Expedited Not Specified Not Specified
Mylan Healthcare Professional	Not Specified - 12-
FEB-2019	21-FEB-2019 US Not Specified US-
MYLANLABS-2019M1015413 "Gershman K, Timm K, Frank M, Lampi L, Melamed J, Gerona R, et al. Deaths in Colorado attributed to Kratom. N-Engl-J-Med 2019;380(1):97-98." -	
15990516	- Selegiline;Herbals\Mitragynine Product Used
For Unknown Indication	Herbal Toxicity;Postmortem Blood Drug Level
Serious Died	Male - 21-FEB-2019 Expedited
Not Specified	Not Specified Mylan Healthcare
Professional	Not Specified - 12-FEB-2019 21-FEB-2019
US	Not Specified US-
MYLANLABS-2019M1015377 "Gershman K, Timm K, Frank M, Lampi L, Melamed J, Gerona R, et al. Deaths in Colorado attributed to Kratom. N-Engl-J-Med 2019;380(1):97-98." -	
15990507	- Herbals\Mitragynine;Oxycodone;Fentanyl
Product Used For Unknown Indication	Death Serious Died Not Specified
Specified	- 21-FEB-2019 Expedited Not Specified
Not Specified	Mylan Healthcare Professional Not Specified
-	12-FEB-2019 21-FEB-2019 US Not Specified
US-MYLANLABS-2019M1015391 "Gershman K, Timm K, Frank M, Lampi L, Melamed J, Gerona R, et al. Deaths in Colorado attributed to Kratom. N-Engl-J-Med 2019;380(1):97-98." -	
15988717	Escitalopram Escitalopram
Oxalate;Herbals\Mitragynine	Back Pain;Major Depression;Product
Used For Unknown Indication	Pollakiuria;Pyrexia;Drug-Induced Liver Injury;Hepatic Steatosis;Micturition
Urgency;Malaise;Jaundice;Fatigue;Decreased Appetite;Vomiting;Potentiating Drug	
Interaction;Chromaturia;Hyperbilirubinaemia;Dysuria;Pruritus	
Serious Other Outcomes	Male - 21-FEB-2019 Expedited
47 YR	Not Specified Zydus Pharm Healthcare
Professional	Not Specified
Valsartan;Fexofenadine;Clonazepam;Metoprolol	18-FEB-2019 21-FEB-2019
US	Not Specified US-ZYDUS-034032 "Osborne CS, Overstreet AN, Rockey DC, Schreiner AD. Drug-Induced Liver Injury Caused by Kratom Use as an Alternative Pain Treatment Amid an Ongoing Opioid Epidemic. J-Investig-Med-High-Impact-Case-Rep 2019;." -
15982779	-
Oxycodone;Etizolam;Diphenhydramine;Herbals\Mitragynine;Butyrfentanyl	
Product Used For Unknown Indication	Death Serious Died
Not Specified	- 19-FEB-2019 Expedited Not Specified
Specified	Not Specified Mylan Healthcare Professional Not Specified
Specified	- 12-FEB-2019 19-FEB-2019 US Not Specified
Specified	US-MYLANLABS-2019M1015418 "Gershman K, Timm K, Frank M, Lampi L, Melamed J, Gerona R, et al. Deaths in Colorado attributed to Kratom. N-Engl-J-Med 2019;380(1):97-98." -
15982699	-

Etizolam;Gabapentin;Acetaminophen;Herbals\Mitragynine	Product Used
For Unknown Indication Death Serious Died Male - 19-	
FEB-2019 Expedited Not Specified Not Specified Mylan	
Healthcare Professional Not Specified - 12-FEB-2019	
19-FEB-2019 US Not Specified US-	
MYLANLABS-2019M1015388 "Gershman K, Timm K, Frank M, Lampi L, Melamed J, Gerona R, et al. Deaths in Colorado attributed to Kratom. N-Engl-J-Med 2019;380(1):97-98." -	
15982698 - Codeine;Herbals\Mitragynine;Morphine	
Product Used For Unknown Indication Death Serious Died Not	
Specified - 19-FEB-2019 Expedited Not Specified	
Not Specified Mylan Healthcare Professional Not Specified	
- 12-FEB-2019 19-FEB-2019 US Not Specified	
US-MYLANLABS-2019M1015417 "Gershman K, Timm K, Frank M, Lampi L, Melamed J, Gerona R, et al. Deaths in Colorado attributed to Kratom. N-Engl-J-Med 2019;380(1):97-98." -	
15981023 Zolpidem Zolpidem	
Tartrate;Tramadol;Oxycodone;Herbals\Mitragynine;Topiramate;Diphenhydramine	Product Used For Unknown Indication Toxicity To Various
Agents Serious Died Not Specified - 19-FEB-2019	
Expedited Not Specified Not Specified Mylan Healthcare	
Professional Not Specified - 12-FEB-2019 19-FEB-2019	
US Not Specified US-	
MYLANLABS-2019M1015415 "Gershman K, Timm K, Frank M, Lampi L, Melamed J, Gerona R, et al. Deaths in Colorado attributed to Kratom. N-Engl-J-Med 2019;380(1):97-98." -	
15981022 Sertraline Sertraline	
Hydrochloride;Temazepam;Clonazepam;Olanzapine;Herbals\Mitragynine	Product Used For Unknown Indication Death Serious Died
Not Specified - 19-FEB-2019 Expedited Not	
Specified Not Specified Mylan Healthcare Professional Not	
Specified - 12-FEB-2019 19-FEB-2019 US Not	
Specified US-MYLANLABS-2019M1015403 "Gershman K, Timm K, Frank M, Lampi L, Melamed J, Gerona R, et al. Deaths in Colorado attributed to Kratom. N-Engl-J-Med 2019;380(1):97-98." -	
15981017 Escitalopram Escitalopram	
Oxalate;Herbals\Mitragynine Anxiety;Back Pain;Hypertension;Major Depression;Product Used For Unknown Indication Drug-Induced Liver Injury;Drug Interaction Serious Other Outcomes Male - 19-FEB-2019 Expedited 47 YR Not Specified Mylan Healthcare Professional Not Specified Valsartan;Metoprolol Tartrate;Fexofenadine;Acetaminophen;Clonazepam 12-FEB-2019 19-FEB-2019 US Not Specified US-MYLANLABS-2019M1015420 "Osborne CS, Overstreet AN, Rockey DC, Schreiner AD. Drug-Induced Liver Injury Caused by Kratom Use as an Alternative Pain Treatment Amid an Ongoing Opioid Epidemic. J-Investig-Med-High-Impact-Case-Rep 2019;:. " -	
15980857 Fluoxetine;Pseudoephedrine. Pseudoephedrine	
Hydrochloride;Oxycodone;Fluoxetine Hydrochloride;Herbals\Mitragynine	Product Used For Unknown Indication Death Serious Died

Not Specified	-	19-FEB-2019	Expedited	Not Specified	Not Specified	19-FEB-2019	US	Not Specified
Specified	Not Specified	Mylan	Healthcare Professional	Not Specified	Not Specified	12-FEB-2019	19-FEB-2019	US
Specified	-	12-FEB-2019	19-FEB-2019	US	Not Specified	US-MYLANLABS-2019M1015390	"Gershman K, Timm K, Frank M, Lampi L, Melamed J, Gerona R, et al. Deaths in Colorado attributed to Kratom. N-Engl-J-Med 2019;380(1):97-98."	-
15967937	-	Herbals\Mitragynine	Drug Dependence	Renal Failure;Lung Disorder;Pneumonia;Rhabdomyolysis;Overdose	Serious	29-JAN-2010	15-FEB-2019	Direct 34 YR
Hospitalized	Male	29-JAN-2010	15-FEB-2019	Direct	34 YR	231.3 KG	Fda-Ctu Consumer	Consumer
Klonopin;Ambien;Tylenol;Lisinopril	-	15-FEB-2019	US	Not Specified	-	-	-	-
15960718	-	Oxycodone;Herbals\Mitragynine	-	Toxicity To Various Agents;Accidental Death	Serious	Died	Female	25-OCT-2017
13-FEB-2019	Direct	32 YR	Not Specified	13-	-	-	-	-
Fda-Ctu	Not Specified	Not Specified	-	-	-	-	-	-
15945096	-	Herbals\Mitragynine;Butyrfentanyl	-	Toxicity To Various Agents;Accidental Death	Serious	Died	Male	07-DEC-2015
11-FEB-2019	Direct	24 YR	Not Specified	11-FEB-2019	Direct	24 YR	Not Specified	11-FEB-2019
15944968	-	Furanylfentanyl;Herbals\Mitragynine	-	Toxicity To Various Agents;Accidental Death	Serious	Died	Male	10-DEC-2016
11-FEB-2019	Direct	28 YR	Not Specified	11-FEB-2019	Direct	28 YR	Not Specified	11-FEB-2019
15944960	-	Herbals\Mitragynine;Etizolam	-	Toxicity To Various Agents	Serious	Died	Male	08-APR-2017
11-FEB-2019	Direct	29 YR	Not Specified	11-FEB-2019	Direct	29 YR	Not Specified	11-FEB-2019
15916803	-	Herbals\Mitragynine	-	Substitution Issue;Cerebral Thrombosis;Cerebral Haemorrhage	Serious	Life Threatening;Required Intervention;Other Outcomes	Male	24-JAN-2019
05-FEB-2019	Direct	54 YR	Not Specified	05-FEB-2019	Direct	54 YR	Not Specified	05-FEB-2019
15956746	-	Herbals\Mitragynine	-	Back Pain;Drug Dependence	Serious	Life Threatening;Required Intervention;Hospitalized	Male	24-JAN-2019
01-FEB-2019	Direct	54 YR	Not Specified	01-FEB-2019	Direct	54 YR	Not Specified	01-FEB-2019
15883288	-	Alprazolam;Clonazepam;Cocaine;Fentanyl;Diphenhydramine;Herbals\Mitragynine	-	Product Used For Unknown Indication	Toxicity To Various Agents;Cardio-Respiratory Arrest	Serious	Died	Male
2017	-	2017	-	2017	-	2017	-	2017

29-JAN-2019	Expedited	31 YR	Not Specified	Endo
Healthcare Professional	Not Specified	-	07-JAN-2019	
29-JAN-2019	US	Not Specified	US-ENDO	

PHARMACEUTICALS INC-2019-100837 "Gummin, David D; Mowry, James B; Spyker, Daniel A; Brooks, Daniel E; Osterthaler, Krista M; Banner, William. 2017 Annual Report of the American Association of Poison Control Centers' National Poison Data System. Clinical Toxicology. 2018;prepub:1-203" -

15867698 "Butalbital, Acetaminophen, And Caffeine;Heroin"

Morphine;Diamorphine;Codeine;Herbals\Mitragynine;Alprazolam;Acetaminophen\Butalbital\Caffeine Product Used For Unknown Indication

Toxicity To Various Agents	Serious Died	Female	2017	25-
JAN-2019	Expedited	28 YR	Not Specified	Novast
Healthcare Professional	Not Specified	-	14-JAN-2019	25-
JAN-2019	US	Not Specified	"US-NOVAST LABORATORIES, LTD-US-2019NOV000010"	

"Fagiola M, Hahn T, Avella J. Screening of Novel Psychoactive Substances in Postmortem Matrices by Liquid Chromatography-Tandem Mass Spectrometry (LC-MS-MS). J-Anal-Toxicol. 2018;42(8):562-569" -

15861486 - Herbals\Mitragynine;Fentanyl -

Accidental Death;Overdose Serious Died Male 14-SEP-2018

23-JAN-2019	Direct	32 YR	Not Specified	Fda-Ctu Not Specified
Not Specified	Not Specified	Codeine;Cannabis Sativa Flowering Top;Clonazepam	-	23-JAN-2019 US Not Specified -

15852553 Methadone Methadone

Hydrochloride;Morphine;Meperidine;Phentermine;Herbals\Mitragynine

Product Used For Unknown Indication Vomiting;Toxicity To Various Agents;Respiration Abnormal;Death Serious Died;Other Outcomes

Male	2017	22-JAN-2019	Expedited	41 YR
Not Specified	Aurobindo	Healthcare Professional	Not Specified	
-	07-JAN-2019	22-JAN-2019	US	Not Specified

US-AUROBINDO-AUR-APL-2019-002815 "Fagiola M, Hahn T, Avella J, et,al.. Screening of Novel Psychoactive Substances in Postmortem Matrices by Liquid Chromatography-Tandem Mass Spectrometry (LC-MS-MS).. Journal of Analytical Toxicology. 2018;42(8):562-69" -

15851501 -

Codeine;Morphine;Herbals\Mitragynine;Diamorphine;Alprazolam;Butalbital

Product Used For Unknown Indication Unresponsive To Stimuli;Toxicity To Various Agents;Drug Abuse Serious Died;Other Outcomes

Female	2017	22-JAN-2019	Expedited	28 YR
Not Specified	Aurobindo	Healthcare Professional	Not Specified	
-	07-JAN-2019	22-JAN-2019	US	Not Specified

US-AUROBINDO-AUR-APL-2019-002816 "Fagiola M, Hahn T, Avella J, et,al.. Screening of Novel Psychoactive Substances in Postmortem Matrices by Liquid Chromatography-Tandem Mass Spectrometry (LC-MS-MS).. Journal of Analytical Toxicology. 2018;42(8):562-59" -

15847213 -  
Herbals\Mitragynine;Citalopram;Caffeine;Mirtazapine Product Used  
For Unknown Indication Cardio-Respiratory Arrest;Intentional Product  
Use Issue Serious Hospitalized;Died;Other Outcomes Male  
- 21-JAN-2019 Expedited 32 YR Not Specified  
Apotex Healthcare Professional Not Specified - 09-  
JAN-2019 21-JAN-2019 US Not Specified US-  
APOTEX-2019AP006448 "Gummin DD, Mowry JB, Spyker DA, Brooks DE,  
Osterthaler KM, Banner W.. 2017 Annual Report of the American  
Association of Poison Control Centers' National Poison Data System  
(NPDS): 35th Annual Report. Doi.org/10.1080/15563650.2018.1533727.  
Clinical Toxicology. 2018;1-203" -  
15845706 -  
Quetiapine;Herbals\Mitragynine;Cyclobenzaprine;Tramadol Product Used  
For Unknown Indication Drug Abuse;Cardio-Respiratory Arrest  
Serious Other Outcomes;Hospitalized;Died Male - 20-  
JAN-2019 Expedited 31 YR Not Specified Apotex  
Healthcare Professional Not Specified - 09-JAN-2019 20-  
JAN-2019 US Not Specified US-  
APOTEX-2019AP006442 "Gummin DD, Mowry JB, Spyker DA, Brooks DE,  
Osterthaler KM, Banner W.. 2017 Annual Report of the American  
Association of Poison Control Centers' National Poison Data System  
(NPDS): 35th Annual Report. Doi.org/10.1080/15563650.2018.1533727.  
Clinical Toxicology. 2018;1-203" -  
15854458 - Herbals\Mitragynine Asthenia  
Feeling Abnormal;Fear Serious Hospitalized;Life Threatening Female  
31-DEC-2018 18-JAN-2019 Direct 33 YR 54 KG Fda-  
Ctu Consumer Consumer  
Cyanocobalamin\Dexpanthenol\Niacinamide\Pyridoxine  
Hydrochloride\Riboflavin 5'-Phosphate Sodium\Thiamine  
Hydrochloride\Vitamin B Complex;Gabapentin;Vitamins;Celexa -  
18-JAN-2019 US Not Specified - - -  
15842169 -  
Alprazolam;Clonazepam;Fentanyl;Cocaine;Herbals\Mitragynine;Diphenhydra  
mine Product Used For Unknown Indication Death;Cardio-  
Respiratory Arrest Serious Hospitalized;Other Outcomes;Died  
Male - 18-JAN-2019 Expedited 31 YR Not  
Specified Apotex Healthcare Professional Not Specified -  
09-JAN-2019 18-JAN-2019 US Not Specified US-  
APOTEX-2019AP005521 "Gummin DD, Mowry JB, Spyker DA, Brooks DE,  
Osterthaler KM, Banner W.. 2017 Annual Report of the American  
Association of Poison Control Centers' National Poison Data System  
(NPDS): 35th Annual Report. Doi.org/10.1080/15563650.2018.1533727.  
Clinical Toxicology. 2018;1-203" -  
15856852 - Herbals\Mitragynine Anxiety;Pain  
Seizure;Treatment Noncompliance Serious Hospitalized;Other Outcomes  
Female 22-JUL-2018 17-JAN-2019 Direct 33 YR 51 KG  
Fda-Ctu Healthcare Professional Health Professional  
Cannabis Sativa Subsp. Indica Top - 17-JAN-2019 US  
Not Specified - - -



15838083	Methadone	Methadone				
Hydrochloride;Meperidine;Herbals\Mitragynine;Morphine						
Sulfate;Phentermine Hydrochloride		Product Used For Unknown				
Indication Drug Interaction;Toxicity To Various Agents						
Serious Died	Male	-	17-JAN-2019	Expedited	41 YR	
Not Specified		Lannett Healthcare Professional	Not Specified			
-	07-JAN-2019	17-JAN-2019	US	Not Specified		
"US-LANNETT COMPANY, INC.-US-2019LAN000070"				"Fagiola M,		
Hahn T, Avella J.. Screening of Novel Psychoactive Substances in						
Postmortem Matrices by Liquid Chromatography-Tandem Mass Spectrometry						
(LC-MS-MS).. J-Anal-Toxicol. 2018;42(8):562-569" -						
15837565	-	Herbals\Mitragynine;Amphetamine				
Sulfate\Dextroamphetamine		Attention Deficit Hyperactivity				
Disorder;Pain Heart Rate Increased;Balance						
Disorder;Mydriasis;Logorrhoea;Erythema;Pupillary Reflex						
Impaired;Dysarthria;Blood Pressure Increased;Muscle						
Twitching;Tremor;Hyperreflexia;Muscle Rigidity;Drug Abuse;Impaired						
Driving Ability;Speech Disorder;Restlessness				Serious Other Outcomes		
Female	-	17-JAN-2019	Expedited	37 YR	Not	
Specified	Mylan	Healthcare Professional	Not Specified		Celexa	
08-JAN-2019	17-JAN-2019	US	Not Specified		US-	
MYLANLABS-2019M1002863 Wright TH. Suspected Driving Under the						
Influence Case Involving Mitragynine. J-Anal-Toxicol 2018;42(7):e65-						
e68. -						
15836548	-	Fentanyl;Herbals\Mitragynine	Product Used			
For Unknown Indication		Drug Abuse	Serious Other Outcomes;Died			
Female	-	17-JAN-2019	Non-Expedited	60 YR	Not	
Specified	Apotex	Healthcare Professional	Not Specified		-	
09-JAN-2019	17-JAN-2019	US	Not Specified		US-	
APOTEX-2019AP005802 "Gummin DD, Mowry JB, Spyker DA, Brooks DE,						
Osterthaler KM, Banner W.. 2017 Annual Report of the American						
Association of Poison Control Centers' National Poison Data System						
(NPDS): 35th Annual Report. Doi.org/10.1080/15563650.2018.1533727.						
Clinical Toxicology. 2018;1-203" -						
15836209	-	Fentanyl;Herbals\Mitragynine	Product Used			
For Unknown Indication		Drug Abuse	Serious Died	Female	2017	
17-JAN-2019	Expedited	60 YR	Not Specified	Insys		
Healthcare Professional		Not Specified	-	03-JAN-2019		
17-JAN-2019	US	Not Specified	"US-INSYS			
THERAPEUTICS, INC-INS201901-000232"				-	-	
15831424	-					
Alprazolam;Diphenhydramine;Clonazepam;Fentanyl;Herbals\Mitragynine;Coc						
aine	Product Used For Unknown Indication		Incorrect Route Of			
Product Administration;Cardio-Respiratory Arrest			Serious Died			
Male	2017	16-JAN-2019	Expedited	31 YR	Not	
Specified	Insys	Healthcare Professional	Not Specified		-	
03-JAN-2019	16-JAN-2019	US	Not Specified		"US-	
INSYS THERAPEUTICS, INC-INS201901-000129" -						
15812850	-	Herbals\Mitragynine	Depression;Pain			
Malaise;Product Use In Unapproved Indication;Product Advertising Issue						

Non-Serious	Non-Serious	Male	-	11-JAN-2019
Direct 30 YR	Not Specified	Fda-Ctu	Not Specified	Not Specified
Specified	-	11-JAN-2019	US	Not Specified
-	-	-	-	-
15808461	-	Fentanyl		
Citrate; Cocaine; Clonazepam; Alprazolam; Herbals\Mitragynine; Diphenhydramine Hydrochloride				
Arrest	Death; Respiratory Arrest; Cardiac			
Serious	Male	2017	10-JAN-2019	Expedited
31 YR	Not Specified	Pfizer	Healthcare Professional	Not Specified
Specified	-	04-JAN-2019	10-JAN-2019	US
Specified	US-PFIZER INC-2019008954		"Gummin, D.. 2017	
Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 35th Annual Report. CLINICAL TOXICOLOGY. 2018;10.1080/15563650.2018.1533727" -				
15805707	-	Quetiapine; Herbals\Mitragynine	Product Used	
For Unknown Indication Seizure; Tongue Haemorrhage; Hyperthermia; Drug Interaction; Discharge; Toxicity To Various Agents				
Outcomes; Died; Life Threatening	Not Specified	-	10-JAN-2019	
Expedited	Not Specified	Not Specified	Macleods	
Healthcare Professional	Not Specified	Valproic Acid	27-	
DEC-2018	10-JAN-2019	US	Not Specified	US-MACLEODS
PHARMACEUTICALS US LTD-MAC2018019464 "Hughes RL.. Fatal combination of mitragynine and quetiapine - a case report with discussion of a potential herb-drug interaction.. Journal Forensic Science, Medicine and Pathology. 2018" -				
15728141	-	Herbals\Mitragynine; Quetiapine	Product Used	
For Unknown Indication Hyperthermia; Seizure; Drug Interaction; Toxicity To Various Agents				
	Serious Other Outcomes; Died	Male	-	
05-JAN-2019	Expedited	27 YR	Not Specified	Accord
Healthcare Professional	Not Specified	Valproic Acid	27-	
DEC-2018	17-DEC-2018	US	Not Specified	US-
ACCORD-095899 Hughes RL. Fatal combination of mitragynine and quetiapine - a case report with discussion of a potential herb-drug interaction. Forensic Sci Med Pathol. 2018 Nov 29. -				
15726843	-	Quetiapine; Herbals\Mitragynine	Product Used	
For Unknown Indication Seizure; Toxicity To Various Agents; Drug Interaction; Hyperthermia; Tongue Haemorrhage; Discharge				
Threatening; Other Outcomes; Died	Male	-	05-JAN-2019	
Expedited	27 YR	Not Specified	Aurobindo	Healthcare
Professional	Not Specified	Valproic Acid	27-DEC-2018	17-
DEC-2018	US	Not Specified	US-AUROBINDO-AUR-	
APL-2018-060149 Hughes RL.. Fatal combination of mitragynine and quetiapine - a case report with discussion of a potential herb-drug interaction.. Forensic Sci Med Pathol.. 2018 -				
15789740	-	Herbals\Mitragynine; Quetiapine	Product Used	
For Unknown Indication Drug Interaction; Toxicity To Various Agents; Seizure; Tongue Haemorrhage; Hyperthermia; Discharge				
Serious Other Outcomes; Life Threatening; Died	Male	-	04-	
JAN-2019	Expedited	27 YR	Not Specified	Hikma
Healthcare Professional	Not Specified	Valproic Acid	27-DEC-2018	

04-JAN-2019	US	Not Specified	US-HIKMA
PHARMACEUTICALS USA INC.-US-H14001-18-09231	-	-	-
15788815	-	Quetiapine;Herbals\Mitragynine	Product Used
For Unknown Indication	Hyperthermia;Toxicity To Various Agents;Drug	Interaction;Tongue Haemorrhage;Discharge;Seizure	Serious Other
Outcomes;Died;Life Threatening	Male	-	04-JAN-2019
Expedited	27 YR	Not Specified	Torrent Healthcare
Professional	Not Specified	Valproic Acid	27-DEC-2018
04-JAN-2019	US	Not Specified	US-TORRENT-00007388
-	-	-	-
15790380	-	Herbals\Mitragynine	Drug
Detoxification;Drug Withdrawal Syndrome	Cold	Sweat;Hypoaesthesia;Palpitations;Product Use	Complaint;Cardiac
Flutter;Chest Pain;Product Packaging Issue	Serious Other Outcomes	Female	02-JAN-2019
03-JAN-2019	Direct	28 YR	66.6
KG	Fda-Ctu Consumer	Consumer	Advil;Methadone
03-JAN-2019	US	Y	-
15781686	-	Herbals\Mitragynine	-
Loss Of	Consciousness;Dependence;Seizure	Serious Life	Threatening;Hospitalized
Female	30-DEC-2018	31-DEC-2018	Direct
32 YR	56 KG	Fda-Ctu Healthcare Professional	Health
Professional	Disulfiram;Vortioxetine	Hydrobromide;Pregabalin;Gabapentin;Diazepam;Carbamazepine	-
31-DEC-2018	US	Not Specified	-
15776230	-	Quetiapine Fumarate;Herbals\Mitragynine	-
Product Used For Unknown Indication	Pyrexia;Herbal	Interaction;Inhibitory Drug Interaction;Toxicity To Various	Agents;Seizure
Serious Died;Other Outcomes	Male	-	31-DEC-2018
Expedited	27 YR	Not Specified	Apotex
Healthcare Professional	Not Specified	Valproic Acid	21-DEC-2018
31-DEC-2018	US	Not Specified	US-APOTEX-2018AP028355
"Hughes RL. Fatal combination of mitragynine and quetiapine-a case report with discussion of a potential herb-drug interaction. DOI: 10.1007/s12024-018-0049-9. Forensic Science, Medicine and Pathology. 2018"			
15773913	-	Herbals\Mitragynine;Alcohol;Diphenhydramine;Bupropion;Dextromethorphan	-
Product Used For Unknown Indication	Drug Abuse;Cardiac	Arrest;Respiratory Arrest	Serious Life Threatening;Died;Other
Outcomes	Male	-	29-DEC-2018
Expedited	27 YR	Not Specified	Aurobindo
Healthcare Professional	Not Specified	-	14-DEC-2018
29-DEC-2018	US	Not Specified	US-AUROBINDO-AUR-APL-2018-061555
"Gummin DD, Mowry JB, Spyker DA, Brooks DE, Fraser MO, Banner W.. 2016 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS):34th Annual Report. Clinical Toxicology. 2017;55(10):1072ñ1254"			
15773700	-	Herbals\Mitragynine;Alcohol;Acetaminophen\Diphenhydramine	-
Hydrochloride	Product Used For Unknown Indication	Intentional	-

Product Misuse	Serious Other Outcomes;Died	Female	-	29-
DEC-2018	Expedited	53 YR	Not Specified	Aurobindo
	Healthcare Professional	Not Specified	-	14-DEC-2018
29-DEC-2018	US	Not Specified	US-AUROBINDO-AUR-	
APL-2018-063425 "Gummin DD, Mowry JB, Spyker DA, Brooks DE, Fraser MO, Banner W.. 2016 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS):34th Annual Report. Clinical Toxicology. 2017;55(10):1072ñ1254"				
15768330	Methadone	Methadone		
Hydrochloride;Phentermine;Herbals\Mitragynine;Meperidine;Morphine				
	Product Used For Unknown Indication	Respiration		
Abnormal;Toxicity To Various Agents;Vomiting	Serious Died	Male		
-	27-DEC-2018	Expedited	41 YR	Not Specified
Sandoz	Healthcare Professional	Not Specified	-	24-
DEC-2018	27-DEC-2018	US	Not Specified	
PHHY2018US194459 "Fagiola M, Hahn T, Avella J. Screening of Novel Psychoactive Substances in Postmortem Matrices by Liquid Chromatography-Tandem Mass Spectrometry (LC-MS-MS). JOURNAL OF ANALYTICAL TOXICOLOGY. 2018;42:562-9"				
15768328	-	Codeine;Morphine;Diacetylmorphine		
Hydrochloride;Herbals\Mitragynine;Alprazolam;Butalbital Product Used For Unknown Indication Unresponsive To Stimuli;Toxicity To Various Agents				
Serious Died	Female	-	27-DEC-2018	Expedited
28 YR	Not Specified	Sandoz	Healthcare Professional	Not Specified
-	24-DEC-2018	27-DEC-2018	US	Not Specified
Specified	PHHY2018US194478	"Fagiola M, Hahn T, Avella J. Screening of Novel Psychoactive Substances in Postmortem Matrices by Liquid Chromatography-Tandem Mass Spectrometry (LC-MS-MS). JOURNAL OF ANALYTICAL TOXICOLOGY. 2018;42:562-9"	-	
15764127	-	Herbals\Mitragynine;Diphenhydramine		
Product Used For Unknown Indication Completed Suicide				
Serious Other Outcomes;Died	Female	-	27-DEC-2018	
Expedited	38 YR	Not Specified	Aurobindo	Healthcare
Professional	Not Specified	-	14-DEC-2018	27-DEC-2018
US	Not Specified	US-AUROBINDO-AUR-APL-2018-060672		
"Gummin DD, Mowry JB, Spyker DA, Brooks DE, Fraser MO, Banner W.. 2016 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS):34th Annual Report. Clinical Toxicology. 2017;55(10):1072ñ1254"				
15765187	-	Herbals\Mitragynine;Alprazolam	-	
Toxicity To Various Agents	Serious Died	Female	24-APR-2018	
26-DEC-2018	Direct	43 YR	Not Specified	Fda-Ctu Not Specified
Not Specified	Not Specified	-	-	26-DEC-2018
Not Specified	-	-	-	US
15750330	Heroin			
Diamorphine;Butalbital;Herbals\Mitragynine;Alprazolam Product Used For Unknown Indication Unresponsive To Stimuli;Death;Toxicity To Various Agents				
Serious Died;Other Outcomes	Female	-	21-	
DEC-2018	Expedited	28 YR	Not Specified	Apotex
Healthcare Professional	Not Specified	-	10-DEC-2018	21-

DEC-2018	US	Not Specified	US-			
APOTEX-2018AP027493 "Fagiola M, Hahn T, Avella J. Screening of Novel Psychoactive Substances in Postmortem Matrices by Liquid Chromatography-Tandem Mass Spectrometry (LC-MS-MS). Journal of Analytical Toxicology. 2018;42 (8):562 - 569" -						
15735523	-	Quetiapine Fumarate;Herbals\Mitragynine				
Product Used For Unknown Indication		Seizure;Toxicity To Various Agents;Drug Interaction;Hyperthermia	Serious Other Outcomes;Died			
Male	-	21-DEC-2018	Expedited	27 YR	Not Specified	
Specified	Alkem	Healthcare Professional	Not Specified			
Valproic Acid	07-DEC-2018	18-DEC-2018	US		Not Specified	
US-ALKEM LABORATORIES LIMITED-US-						
ALKEM-2018-11093 "Hughes RL.. Fatal combination of Mitragynine and Quetiapine - a case report with discussion of a potential herb-drug interaction.. Forensic Science, Medicine and Pathology. 2018;UNK:1-4" -						
15748896	-	Herbals\Mitragynine				
Anxiety;Depression;Pain Weight Decreased;Decreased Appetite;Arthralgia;Tremor;Anxiety;Night Sweats;Depression;Bone Pain;Withdrawal Syndrome						
DEC-2018	19-DEC-2018	Direct	52 YR	Not Specified	Female	13-
Ctu	Consumer	Consumer				Fda-
Gabapentin;Sertraline;Trazodone -		19-DEC-2018	US		Not Specified	
Specified	-	-	-			
15735652	-	Herbals\Mitragynine	Affective			
Disorder;Asthenia;Cognitive Disorder;Disturbance In Attention						
Cardiac Death	Serious	Died	Male	09-NOV-2018	18-DEC-2018	
Direct	33 YR	72.57 KG	Fda-Ctu	Not Specified	Not Specified	
Specified	-	-	18-DEC-2018	US		
-	-	-				
15744592	-	Herbals\Mitragynine	Product Used For			
Unknown Indication		International Normalised Ratio Increased;Blood Urine Present;Bleeding Time Prolonged	Serious Life Threatening;Hospitalized	Male	26-NOV-2018	17-DEC-2018
Direct	50 YR	98.5 KG	Fda-Ctu	Healthcare Professional	Health Professional	
Professional	Lisinopril;Testosterone;Levothyroxine	-			17-	
DEC-2018	US	Not Specified	-	-	-	
15734067	-	Herbals\Mitragynine	-		Pneumonia	
Haemophilus;Toxicity To Various Agents		Serious	Died	Male	02-	
MAY-2017	17-DEC-2018	Direct	64 YR	Not Specified	Fda-	
Ctu	Healthcare Professional	Health Professional		-	-	
	17-DEC-2018	US	Not Specified	-	-	
15734060	-	Herbals\Mitragynine;Oxycodone	-			
Toxicity To Various Agents;Breast Cancer Metastatic;Drug Screen Positive						
	Serious	Died	Female	31-OCT-2017	17-DEC-2018	
Direct	50 YR	Not Specified	Fda-Ctu	Healthcare Professional	Health Professional	
Professional	Hydrocodone;Ephedrine;Amitriptyline	-		17-DEC-2018	US	
	Not Specified	-	-	-		
15734028	-	Herbals\Mitragynine	-		Toxicity To	

Various Agents;Accidental Death	Serious	Died	Male	01-NOV-2018
17-DEC-2018	Direct	27 YR	Not Specified	Fda-Ctu Not
Specified	Not Specified	Bupropion	-	17-DEC-2018
US	Not Specified	-	-	-
15723428	-	Herbals\Mitragynine;Paroxetine	-	-
Toxicity To Various Agents;Accidental Death	Serious	Died	Male	
22-APR-2018	14-DEC-2018	Direct	36 YR	Not Specified
Fda-Ctu Not Specified	Not Specified	-	-	14-
DEC-2018	US	Not Specified	-	-
15716888	-	Herbals\Mitragynine	Affective	
Disorder;Asthenia;Disturbance In Attention	Cardiac Death;Toxicity			
To Various Agents	Serious	Died	Male	09-NOV-2018
DEC-2018	Direct	33 YR	72.57 KG	Fda-Ctu Not Specified
Not Specified	-	-	12-DEC-2018	US
Specified	-	-	-	Not
15704628	-	Herbals\Mitragynine	-	Toxicity To
Various Agents;Accidental Death	Serious	Died	Male	08-JAN-2017
10-DEC-2018	Direct	29 YR	Not Specified	Fda-Ctu Not
Specified	Not Specified			
Hydroxyzine;Temazepam;Olanzapine;Cannabis Sativa Subsp.	Indica			
Top;Sertraline;Clonazepam	-	10-DEC-2018	US	Not
Specified	-	-	-	
15704622	-	Herbals\Mitragynine;Oxycodone	-	
Toxicity To Various Agents;Accidental Death	Serious	Died	Female	
29-MAR-2016	10-DEC-2018	Direct	53 YR	Not Specified
Fda-Ctu Not Specified	Not Specified			
Fluoxetine;Pseudoephedrine.	-	10-DEC-2018	US	Not
Specified	-	-	-	
15704619	-	Herbals\Mitragynine;U-47700	-	
Overdose;Accidental Death	Serious	Died	Male	29-FEB-2016
10-DEC-2018	Direct	25 YR	Not Specified	Fda-Ctu Not
Specified	Not Specified	-	-	10-DEC-2018
Not Specified	-	-	-	US
15704002	-	Herbals\Mitragynine	-	
Asphyxia;Toxicity To Various Agents;Accidental Death	Serious	Died		
Male	08-NOV-2016	10-DEC-2018	Direct	27 YR
Specified	Fda-Ctu Not Specified	Not Specified		
Diphenhydramine;Tramadol;Guaifenesin;Oxycodone;Topiramate;Promethazine				
;Dextromethorphan	-	10-DEC-2018	US	Not Specified
-	-	-		
15703871	-	Herbals\Mitragynine;Citalopram	-	
Alcohol Poisoning;Accidental Death;Toxicity To Various Agents				
Serious	Died	Male	12-NOV-2016	10-DEC-2018
Not Specified	Fda-Ctu Not Specified	Not Specified		24 YR
-	10-DEC-2018	US	Not Specified	-
-				-
15703855	-	Herbals\Mitragynine;Oxycodone	-	
Accidental Death;Toxicity To Various Agents;Alcohol Poisoning				
Serious	Died	Male	24-FEB-2018	10-DEC-2018
Not Specified	Fda-Ctu Not Specified	Not Specified		32 YR
				-

-	10-DEC-2018	US	Not Specified	-	-
-					
15703850	-	Herbals\Mitragynine;Oxycodone	-		
Toxicity To Various Agents;Alcohol Poisoning;Accidental Death					
Serious Died	Male	04-NOV-2017	10-DEC-2018	Direct	26 YR
Not Specified	Fda-Ctu	Not Specified	Not Specified		-
-	10-DEC-2018	US	Not Specified	-	-
-					
15703751	-	Herbals\Mitragynine	-	Accidental	
Death;Toxicity To Various Agents			Serious Died	Male	23-
JUL-2018	10-DEC-2018	Direct	29 YR	Not Specified	Fda-
Ctu	Not Specified	Not Specified	Bupropion;Diphenhydramine		
-	10-DEC-2018	US	Not Specified	-	-
-					
15703747	-	Herbals\Mitragynine	-	Toxicity To	
Various Agents;Accidental Death			Serious Died	Male	11-AUG-2017
10-DEC-2018	Direct	33 YR	Not Specified	Fda-Ctu	Not
Specified	Not Specified	-	-	10-DEC-2018	US
Not Specified	-	-	-		
15703716	-	Herbals\Mitragynine	-	Toxicity To	
Various Agents;Accidental Death			Serious Died	Male	11-JUL-2016
07-DEC-2018	Direct	30 YR	Not Specified	Fda-Ctu	Not
Specified	Not Specified				
Bupropion;Hydroxyzine;Diazepam;Gabapentin;Naltrexone;Clonidine					-
07-DEC-2018	US	Not Specified	-	-	-
15680525	-	Herbals\Mitragynine	Substance Use	Liver	
Function Test Increased;Cholecystitis			Serious Hospitalized;Other		
Outcomes	Male	-	28-NOV-2018	Direct	35 YR 70 KG
Fda-Ctu	Healthcare Professional	Health Professional			-
-	28-NOV-2018	US	Not Specified	-	-
-					
15665505	-	Herbals\Mitragynine	-	Overdose	
Serious Died	Male	02-NOV-2018	27-NOV-2018	Direct	
32 YR	67.5 KG	Fda-Ctu	Not Specified	Not Specified	-
-	27-NOV-2018	US	Not Specified	-	-
-					
15665400	-	Herbals\Mitragynine	Pain	Anxiety;Extra	
Dose Administered;Tremor;Hypertension			Serious Other Outcomes	Female	
-	27-NOV-2018	Direct	70 YR	Not Specified	Fda-
Ctu	Healthcare Professional	Health Professional			-
27-NOV-2018	US	Not Specified	-	-	-
15660102	-	Diphenhydramine;Herbals\Mitragynine			
Toxicity To Various Agents;Seizure			Serious Died	Female	
14-AUG-2017	26-NOV-2018	Direct	33 YR	Not Specified	
Fda-Ctu	Not Specified	Not Specified	-	-	26-
NOV-2018	US	Not Specified	-	-	
15660099	-	Alprazolam;Herbals\Mitragynine			
Toxicity To Various Agents			Serious Died	Male	02-JAN-2018
26-NOV-2018	Direct	27 YR	Not Specified	Fda-Ctu	Not
Specified	Not Specified	-	-	26-NOV-2018	US

15660097	Not Specified	-	-	-	-	-	-
Various Agents	Serious	Died	Male	11-DEC-2017	Toxicity To	26-NOV-2018	
Direct	36 YR	Not Specified	Fda-Ctu	Not Specified	Not		
Specified	-	-	26-NOV-2018	US	Not Specified		
-	-	-					
15656009	-	Herbals\Mitragynine	Oxymorphone	-	-	-	-
Toxicity To Various Agents	Serious	Died	Male	14-MAY-2015			
23-NOV-2018	Direct	52 YR	Not Specified	Fda-Ctu	Not		
Specified	Not Specified	-	-	23-NOV-2018	US		
Not Specified	-	-	-				
15656003	Hydroxyzine	Hydroxyzine					
Hydrochloride;Herbals\Mitragynine;Clonazepam	-	-	-	-	Toxicity To		
Various Agents	Serious	Died	Male	27-OCT-2018	23-NOV-2018		
Direct	39 YR	Not Specified	Fda-Ctu	Not Specified	Not		
Specified	-	-	23-NOV-2018	US	Not Specified		
-	-	-					
15643589	-	Herbals\Mitragynine	-	-	Accidental		
Death;Toxicity To Various Agents	Serious	Died	Male	28-FEB-2018			
21-NOV-2018	Direct	50 YR	Not Specified	Fda-			
Ctu	Not Specified	Not Specified	-	-	21-NOV-2018		
US	Not Specified	-	-	-			
15643588	Pseudoephedrine.	Pseudoephedrine					
Hydrochloride;Herbals\Mitragynine	-	-	-	-	Poisoning;Accidental		
Death;Renal Artery Perforation	Serious	Died	Male	01-OCT-2018			
21-NOV-2018	Direct	38 YR	Not Specified	Fda-Ctu	Not		
Specified	Not Specified	-	-	21-NOV-2018	US		
Not Specified	-	-	-				
15643582	-	Herbals\Mitragynine	-	-	Accidental		
Death;Toxicity To Various Agents	Serious	Died	Male	21-SEP-2016			
21-NOV-2018	Direct	29 YR	Not Specified	Fda-			
Ctu	Not Specified	Not Specified	-	-	21-NOV-2018		
US	Not Specified	-	-	-			
15642453	-	Herbals\Mitragynine	-	-	Product		
Complaint;Recalled Product;Gastroenteritis	Salmonella				Non-Serious		
Non-Serious	Not Specified	09-APR-2018			20-NOV-2018		
Direct	Not Specified	Not Specified	Fda-Ctu	Not Specified			
Not Specified	-	-	20-NOV-2018	US	Not		
Specified	-	-					
15638164	-	Herbals\Mitragynine	Product Used For				
Unknown Indication	Occupational Problem	Environmental;Product					
Counterfeit;Seizure	Serious	Hospitalized	Female	28-MAY-1997			
19-NOV-2018	Direct	21 YR	58.5 KG	Fda-Ctu	Consumer		
Consumer	-	-	19-NOV-2018	US	Not		
Specified	-	-	Yes				
15612598	-	Herbals\Mitragynine	-	-	Death		
Serious	Died	Not Specified	2017	13-NOV-2018	Direct	32 YR	
Not Specified	Fda-Ctu	Not Specified	Not Specified	Not Specified	-		
-	13-NOV-2018	US	Not Specified	-	-		
-							



15612592	-	Herbals\Mitragynine	-	Death	
Serious	Died	Male	24-SEP-2017	13-NOV-2018	Direct 32 YR
	Not Specified	Fda-Ctu	Not Specified	Not Specified	-
	-	13-NOV-2018	US	Not Specified	-
	-				
15612590	-	Herbals\Mitragynine	-	Death	
Serious	Died	Male	23-JUL-2016	13-NOV-2018	Direct 40 YR
	Not Specified	Fda-Ctu	Not Specified	Not Specified	-
	-	13-NOV-2018	US	Not Specified	-
	-				
15600806	-	Herbals\Mitragynine	-		
Diarrhoea;Dehydration;Palpitations;Unevaluable Event;Vomiting	Non-Serious	Not Specified	AUG-2018	08-NOV-2018	
	Direct	Not Specified	Not Specified	Fda-Ctu	Not Specified
	Not Specified	-	-	08-NOV-2018	US Not
Specified	-	-	-		
15599665	-	Herbals\Mitragynine		Depression	
Maternal Drugs Affecting Foetus;Drug Withdrawal Syndrome Neonatal	Serious	Hospitalized	Female	09-JUL-2018	08-NOV-2018
	Direct	1 DAY	3.53 KG	Fda-Ctu Healthcare Professional	Health
Professional	-	-	-	08-NOV-2018	US Not Specified
	-	-	-		
15580732	-	Herbals\Mitragynine			
Anxiety;Depression;Intervertebral Disc Protrusion;Post-Traumatic	Serious	Other Outcomes	Male	25-OCT-2018	03-NOV-2018 Direct
Stress Disorder Hypophagia;Vomiting;Hyperhidrosis;Diarrhoea	28 YR	72 KG	Fda-Ctu	Consumer	Consumer -
	-	03-NOV-2018	US	Not Specified	-
	-				
15561348	-	Herbals\Mitragynine	-	Malaise;Acute	
Kidney Injury;Hepatic Failure;Pneumonia;Pain;Respiratory					
Failure;Hepatic Enzyme Increased;Fatigue				Serious Life	
Threatening;Disabled;Hospitalized		Male	21-OCT-2018	26-	
OCT-2018	Direct	45 YR	90 KG	Fda-Ctu	Consumer
Consumer		Vicks Dayquil;Vicks Nyquil	-	26-OCT-2018	
US	Not Specified	-	-	-	
15549931	-	Herbals\Mitragynine	-	Death	
Serious	Died	Female	26-JUN-2015	25-OCT-2018	Direct 43 YR
	Not Specified	Fda-Ctu	Not Specified	Not Specified	-
	-	25-OCT-2018	US	Not Specified	-
	-				
15555676	-	Herbals\Mitragynine		Anxiety;Insomnia	
Nausea;Panic Reaction;Hyperhidrosis;Mood Altered;Withdrawal					
Syndrome;Depressed Level Of Consciousness;Irritability;Confusional					
State;Restlessness;Asthenia;Anhedonia;Diarrhoea	Serious	Other Outcomes			
	Male	15-OCT-2018	24-OCT-2018	Direct	39 YR 70.2
KG	Fda-Ctu	Consumer	Consumer	-	- 24-
OCT-2018	US	Not Specified	-	-	-
15549873	-	Herbals\Mitragynine	-	Death	
Serious	Died	Female	-	24-OCT-2018	Direct 53 YR Not

Specified	Fda-Ctu	Not Specified	Not Specified	-	-
24-OCT-2018	US	Not Specified	-	-	-
15546727	-	Herbals\Mitragynine	-	Death	
Serious Died	Female	-	24-OCT-2018	Direct	45 YR Not
Specified	Fda-Ctu	Not Specified	Not Specified	-	-
24-OCT-2018	US	Not Specified	-	-	-
15546722	-	Herbals\Mitragynine	-	Death	
Serious Died	Male	-	24-OCT-2018	Direct	34 YR Not
Specified	Fda-Ctu	Not Specified	Not Specified	-	-
24-OCT-2018	US	Not Specified	-	-	-
15546706	-	Herbals\Mitragynine	-	Death	
Serious Died	Male	10-MAY-2018	24-OCT-2018	Direct	31 YR
Not Specified	Fda-Ctu	Not Specified	Not Specified	-	-
-	24-OCT-2018	US	Not Specified	-	-
-					
15546705	-	Herbals\Mitragynine	-	Death	
Serious Died	Female	26-FEB-2018	24-OCT-2018	Direct	34 YR
Not Specified	Fda-Ctu	Not Specified	Not Specified	-	-
-	24-OCT-2018	US	Not Specified	-	-
-					
15526393	-	Fentanyl Citrate;Diphenhydramine			
Hydrochloride;Herbals\Mitragynine		-	Homicide;Euphoric		
Mood;Road Traffic Accident		Serious Other Outcomes	Male	-	
23-OCT-2018	Expedited	Not Specified	Not Specified		
Pfizer Consumer		Not Specified			
Gabapentin;Neurontin;Lexapro;Percocet		17-OCT-2018	18-OCT-2018		
US	Not Specified	US-PFIZER INC-2018424071	-		
-					
15517591	-	Herbals\Mitragynine	-	Personality	
Change;Drug Dependence;Hyperhidrosis;Agitation;Thinking					
Abnormal;Diarrhoea;Vomiting;Irritability;Tremor;Withdrawal					
Syndrome;Cold Sweat	Non-Serious	Non-Serious	Male	-	
18-OCT-2018	Direct	39 YR	81.65 KG	Fda-Ctu	
Consumer	Not Specified	-	-	18-OCT-2018	US
Not Specified	-	-	-		
15492732	-	Herbals\Mitragynine	Product Used For		
Unknown Indication	Death	Serious Died	Not Specified	26-	
AUG-2018	07-OCT-2018	Direct	Not Specified	Not Specified	
Fda-Ctu Consumer		Consumer	-	-	07-
OCT-2018	US	Not Specified	-	-	
15468345	-	Herbals\Mitragynine	Pain	Accidental	
Death;Unresponsive To Stimuli;Toxicity To Various Agents					
Serious Died	Male	26-MAR-2017	05-OCT-2018	Direct	38 YR
92.53 KG	Fda-Ctu	Healthcare Professional	Health		
Professional	-	-	05-OCT-2018	US	Not Specified
-	-	-			
15460471	-	Herbals\Mitragynine	Pain		
Anxiety;Adjustment Disorder With Depressed Mood		Serious	Disabled		
Female	-	03-OCT-2018	Direct	62 YR	103.5 KG
Fda-Ctu Consumer		Consumer			

Calcium;Inderal;Synthroid	-	-	03-OCT-2018	US	Not
Specified	-	-	Yes		
15418902	-	Herbals\Mitragynine	-	Death	
Serious Died	Female	-	24-SEP-2018	Direct	55 YR
Specified	Fda-Ctu	Not Specified	Not Specified	-	-
	24-SEP-2018	US	Not Specified	-	-
15418898	-	Herbals\Mitragynine	-	Death	
Serious Died	Male	-	24-SEP-2018	Direct	33 YR
Specified	Fda-Ctu	Not Specified	Not Specified	-	-
	24-SEP-2018	US	Not Specified	-	-
15418894	-	Herbals\Mitragynine	-	Death	
Serious Died	Male	-	24-SEP-2018	Direct	32 YR
Specified	Fda-Ctu	Not Specified	Not Specified	-	-
	24-SEP-2018	US	Not Specified	-	-
15418889	-	Herbals\Mitragynine	-	Death	
Serious Died	Female	-	24-SEP-2018	Direct	49 YR
Specified	Fda-Ctu	Not Specified	Not Specified	-	-
	24-SEP-2018	US	Not Specified	-	-
15418807	-	Herbals\Mitragynine	-	Death	
Serious Died	Male	-	24-SEP-2018	Direct	34 YR
Specified	Fda-Ctu	Not Specified	Not Specified	-	-
	24-SEP-2018	US	Not Specified	-	-
15418798	-	Herbals\Mitragynine	-	Death	
Serious Died	Female	-	24-SEP-2018	Direct	29 YR
Specified	Fda-Ctu	Not Specified	Not Specified	-	-
	24-SEP-2018	US	Not Specified	-	-
15418792	-	Herbals\Mitragynine	-	Death	
Serious Died	Female	-	24-SEP-2018	Direct	37 YR
Specified	Fda-Ctu	Not Specified	Not Specified	-	-
	24-SEP-2018	US	Not Specified	-	-
15418787	-	Herbals\Mitragynine	-	Death	
Serious Died	Male	-	24-SEP-2018	Direct	27 YR
Specified	Fda-Ctu	Not Specified	Not Specified	-	-
	24-SEP-2018	US	Not Specified	-	-
15418653	-	Herbals\Mitragynine	-	Death	
Serious Died	Male	-	24-SEP-2018	Direct	35 YR
Specified	Fda-Ctu	Not Specified	Not Specified	-	-
	24-SEP-2018	US	Not Specified	-	-
15418646	-	Herbals\Mitragynine	-	Death	
Serious Died	Male	-	24-SEP-2018	Direct	47 YR
Specified	Fda-Ctu	Not Specified	Not Specified	-	-
	24-SEP-2018	US	Not Specified	-	-
15418633	-	Herbals\Mitragynine	-	Death	
Serious Died	Male	-	24-SEP-2018	Direct	56 YR
Specified	Fda-Ctu	Not Specified	Not Specified	-	-
	24-SEP-2018	US	Not Specified	-	-
15418628	-	Herbals\Mitragynine	-	Death	
Serious Died	Female	-	24-SEP-2018	Direct	32 YR
Specified	Fda-Ctu	Not Specified	Not Specified	-	-
	24-SEP-2018	US	Not Specified	-	-

15418625	-	Herbals\Mitragynine	-	Death		
Serious Died	Male	-	24-SEP-2018	Direct	59 YR	Not
Specified	Fda-Ctu	Not Specified	Not Specified	-	-	-
	24-SEP-2018	US	Not Specified	-	-	-
15418624	-	Herbals\Mitragynine	-	Death		
Serious Died	Male	-	24-SEP-2018	Direct	28 YR	Not
Specified	Fda-Ctu	Not Specified	Not Specified	-	-	-
	24-SEP-2018	US	Not Specified	-	-	-
15418621	-	Herbals\Mitragynine	-	Death		
Serious Died	Male	-	24-SEP-2018	Direct	36 YR	Not
Specified	Fda-Ctu	Not Specified	Not Specified	-	-	-
	24-SEP-2018	US	Not Specified	-	-	-
15418618	-	Herbals\Mitragynine	-	Death		
Serious Died	Male	-	24-SEP-2018	Direct	31 YR	Not
Specified	Fda-Ctu	Not Specified	Not Specified	-	-	-
	24-SEP-2018	US	Not Specified	-	-	-
15418514	-	Herbals\Mitragynine	-	Death		
Serious Died	Male	-	24-SEP-2018	Direct	42 YR	Not
Specified	Fda-Ctu	Not Specified	Not Specified	-	-	-
	24-SEP-2018	US	Not Specified	-	-	-
15419200	-	Herbals\Mitragynine	Pain;Withdrawal			
Syndrome	Pain;Apathy;Drug Dependence;Feeling					
Abnormal;Unemployment;Loss Of Personal Independence In Daily						
Activities	Serious Hospitalized	Female	14-JUN-2018	20-		
SEP-2018	Direct	39 YR	76.5 KG	Fda-Ctu Consumer		
Consumer	-	-	20-SEP-2018	US	Not Specified	
	-	-				
15367091	-	Herbals\Mitragynine	-	Klebsiella		
Fluconazole;Nystatin;Herbals\Mitragynine						
Test Positive;Culture Urine Positive;Bladder Disorder						
Outcomes	Female	01-AUG-2018	10-SEP-2018	Direct	73 YR	
	Not Specified	Fda-Ctu	Not Specified	Not Specified	-	
	-	10-SEP-2018	US	Not Specified	-	-
	-					
15373449	-	Herbals\Mitragynine	Pain Management			
Aspartate Aminotransferase Increased;Overdose;Liver Function Test						
Increased;Alanine Aminotransferase Increased;Blood Alcohol						
Abnormal;Blood Alkaline Phosphatase Increased	Serious					
Hospitalized;Other Outcomes	Female	27-AUG-2018	09-SEP-2018			
	Direct	54 YR	75 KG	Fda-Ctu Healthcare Professional		
Professional	-	-	09-SEP-2018	US	Not Specified	
	-	-				
15357076	-	Herbals\Mitragynine	Substance Use			
Psychotic Disorder	Serious	Other Outcomes;Hospitalized;Disabled				
	Female	10-MAR-2018	04-SEP-2018	Direct	19 YR	49.5
KG	Fda-Ctu Consumer	Consumer		-	-	04-
SEP-2018	US	Y	-	-	-	
15338188	-	Herbals\Mitragynine	Product Used			
Lamotrigine;Quetiapine;Paroxetine;Herbals\Mitragynine						
For Unknown Indication	Death	Serious Died	Not Specified	-		

	31-AUG-2018	Expedited	Not Specified	Not Specified		
	Apotex Healthcare Professional	Not Specified	-	20-		
JUL-2018	31-AUG-2018	US	Not Specified	US-		
APOTEX-2018AP019264 "Noori M, Hendrickson R, Hatten B.. Kratom: Natural painkiller or herbal enemy?. Clinical Toxicology. 2018;56(6):574" -						
15346850	-	Herbals\Mitragynine	Drug Dependence			
Circulatory Collapse;Fall Serious Died;Life Threatening Male						
	14-AUG-2018	30-AUG-2018	Direct	33 YR	112.5 KG	
	Fda-Ctu Consumer	Consumer	Lasix;Amitriptyline			
-	30-AUG-2018	US	Not Specified	-	-	
-						
15339133	-	Herbals\Mitragynine	Anxiety			
Fall;Seizure;Fatigue;Cerebral Haemorrhage;Incoherent;Vomiting;Head Injury Serious Life Threatening Male 27-AUG-2018 30-AUG-2018						
	Direct	22 YR	77.11 KG	Fda-Ctu Consumer		
	Not Specified	-	-	30-AUG-2018	US	Not Specified
15338870	-	Herbals\Mitragynine	Anxiety			
Tremor;Withdrawal Syndrome;Cerebral Haemorrhage;Seizure;Head Injury Serious Life Threatening;Hospitalized Male 27-AUG-2018						
	29-AUG-2018	Direct	22 YR	76.5 KG	Fda-Ctu Consumer	
	Consumer	Prozac	-	29-AUG-2018	US	Not Specified
15334061	-	Herbals\Mitragynine	Anxiety;Sleep Disorder			
Therapy Alcohol Use;Intentional Product Use Issue Serious Died						
	Male	23-NOV-2017	29-AUG-2018	Direct	22 YR	68.04 KG
	Fda-Ctu Consumer	Consumer	-	-	-	29-AUG-2018
15346316	-	Herbals\Mitragynine	-	Hepatic		
Failure;Malaise;Drug Abuse;Staphylococcal Infection Serious						
	Hospitalized;Life Threatening	Male	AUG-2018	28-AUG-2018		
	Direct	24 YR	Not Specified	Fda-Ctu Not Specified	Not Specified	
	Not Specified	-	-	28-AUG-2018	US	Not Specified
-	-	-				
15346315	-	Herbals\Mitragynine	Pain	Yellow		
Skin;Drug Dependence;Drug Abuse;Generalised Tonic-Clonic Seizure;Weight Decreased;Withdrawal Syndrome;Brief Resolved Unexplained Event Serious Life Threatening;Disabled Male						
	10-MAY-2018	28-AUG-2018	Direct	35 YR	74.84 KG	
	Fda-Ctu Healthcare Professional	Health Professional				
-	28-AUG-2018	US	Not Specified	-	-	
-						
15305997	-	Herbals\Mitragynine	-	Death		
Serious Died	Male	19-JUN-2018	21-AUG-2018	Direct	36 YR	
	Not Specified	Fda-Ctu Not Specified	Not Specified			
-	21-AUG-2018	US	Not Specified	-	-	
-						
15289168	-	Lamotrigine;Herbals\Mitragynine;Quetiapine;Paroxetine	Product Used			

For Unknown Indication	Death	Serious	Died	Not Specified	-
17-AUG-2018	Expedited		Not Specified	Not Specified	
Sciegen Healthcare Professional			Not Specified	-	09-
AUG-2018	17-AUG-2018	US	Not Specified	US-SCIEGEN	
PHARMACEUTICALS INC-2018	SCILIT00549		"Monica Noori, Robert		
Hendrickson, Benjamin Hatten et al..	Kratom: Natural painkiller or				
herbal enemy?.. Clinical Toxicology. 122"			-		
15468186	-	Herbals\Mitragynine	-	Death	
Serious Died	Male	12-MAR-2018	16-AUG-2018	Direct	28 YR
Not Specified	Fda-Ctu	Not Specified	Not Specified	-	-
-	16-AUG-2018	US	Not Specified	-	-
-					
15459453	-	Herbals\Mitragynine	-	Death	
Serious Died	Male	-	16-AUG-2018	Direct	47 YR
Specified	Fda-Ctu	Not Specified	Not Specified	-	-
16-AUG-2018	US	Not Specified	-	-	-
15456552	-	Herbals\Mitragynine	-	Death	
Serious Died	Male	08-APR-2018	16-AUG-2018	Direct	28 YR
Not Specified	Fda-Ctu	Not Specified	Not Specified	-	-
-	16-AUG-2018	US	Not Specified	-	-
-					
15456548	-	Herbals\Mitragynine	-	Death	
Serious Died	Male	01-JUN-2018	16-AUG-2018	Direct	26 YR
Not Specified	Fda-Ctu	Not Specified	Not Specified	-	-
-	16-AUG-2018	US	Not Specified	-	-
-					
15456483	-	Herbals\Mitragynine	-	Death	
Serious Died	Male	03-JUN-2017	16-AUG-2018	Direct	31 YR
Not Specified	Fda-Ctu	Not Specified	Not Specified	-	-
-	16-AUG-2018	US	Not Specified	-	-
-					
15456479	-	Herbals\Mitragynine	-	Death	
Serious Died	Male	25-JAN-2018	16-AUG-2018	Direct	22 YR
Not Specified	Fda-Ctu	Not Specified	Not Specified	-	-
-	16-AUG-2018	US	Not Specified	-	-
-					
15456169	-	Herbals\Mitragynine	-	Death	
Serious Died	Male	29-DEC-2017	16-AUG-2018	Direct	26 YR
Not Specified	Fda-Ctu	Not Specified	Not Specified	-	-
-	16-AUG-2018	US	Not Specified	-	-
-					
15456106	-	Herbals\Mitragynine	-	Death	
Serious Died	Male	03-OCT-2016	16-AUG-2018	Direct	60 YR
Not Specified	Fda-Ctu	Not Specified	Not Specified	-	-
-	16-AUG-2018	US	Not Specified	-	-
-					
15456105	-	Herbals\Mitragynine	-	Death	
Serious Died	Male	02-MAY-2017	16-AUG-2018	Direct	20 YR
Not Specified	Fda-Ctu	Not Specified	Not Specified	-	-
-	16-AUG-2018	US	Not Specified	-	-

15456104	-	Herbals\Mitragynine	-	Death	
Serious	Died	Male	08-MAR-2017	16-AUG-2018	Direct 34 YR
	Not Specified	Fda-Ctu	Not Specified	Not Specified	-
	-	16-AUG-2018	US	Not Specified	-
15456060	-	Herbals\Mitragynine	-	Death	
Serious	Died	Male	30-OCT-2017	16-AUG-2018	Direct 20 YR
	Not Specified	Fda-Ctu	Not Specified	Not Specified	-
	-	16-AUG-2018	US	Not Specified	-
15456052	-	Herbals\Mitragynine	-	Death	
Serious	Died	Male	11-JAN-2018	16-AUG-2018	Direct 38 YR
	Not Specified	Fda-Ctu	Not Specified	Not Specified	-
	-	16-AUG-2018	US	Not Specified	-
15456051	-	Herbals\Mitragynine	-	Death	
Serious	Died	Male	07-JUL-2017	16-AUG-2018	Direct 24 YR
	Not Specified	Fda-Ctu	Not Specified	Not Specified	-
	-	16-AUG-2018	US	Not Specified	-
15456041	-	Herbals\Mitragynine	-	Sudden	
Death;Hypertension;Death;Toxicity To Various Agents				Serious	Died
	Male	30-APR-2018	16-AUG-2018	Direct	37 YR Not
Specified	Fda-Ctu	Not Specified	Not Specified	-	-
	16-AUG-2018	US	Not Specified	-	-
15456031	-	Herbals\Mitragynine	-	Death	
Serious	Died	Female	05-APR-2018	16-AUG-2018	Direct 31 YR
	Not Specified	Fda-Ctu	Not Specified	Not Specified	-
	-	16-AUG-2018	US	Not Specified	-
15455971	-	Herbals\Mitragynine	-	Death	
Serious	Died	Male	19-JAN-2018	16-AUG-2018	Direct 22 YR
	Not Specified	Fda-Ctu	Not Specified	Not Specified	-
	-	16-AUG-2018	US	Not Specified	-
15455966	-	Herbals\Mitragynine	-	Death	
Serious	Died	Male	27-JUN-2018	16-AUG-2018	Direct 25 YR
	Not Specified	Fda-Ctu	Not Specified	Health Professional	
	-	16-AUG-2018	US	Not Specified	-
15455961	-	Herbals\Mitragynine	-	Death	
Serious	Died	Male	25-APR-2018	16-AUG-2018	Direct 30 YR
	Not Specified	Fda-Ctu	Not Specified	Not Specified	-
	-	16-AUG-2018	US	Not Specified	-
15455955	-	Herbals\Mitragynine	-	Death	
Serious	Died	Male	23-JAN-2018	16-AUG-2018	Direct 39 YR
	Not Specified	Fda-Ctu	Not Specified	Not Specified	-
	-	16-AUG-2018	US	Not Specified	-

15455883	-	Herbals\Mitragynine	-	Death	
Serious	Died	Female	09-NOV-2017	16-AUG-2018	Direct 50 YR
	Not Specified	Fda-Ctu	Not Specified	Not Specified	-
	-	16-AUG-2018	US	Not Specified	-
15455877	-	Herbals\Mitragynine	-	Death	
Serious	Died	Male	13-APR-2018	16-AUG-2018	Direct 34 YR
	Not Specified	Fda-Ctu	Not Specified	Not Specified	-
	-	16-AUG-2018	US	Not Specified	-
15455816	-	Herbals\Mitragynine	-	Death	
Serious	Died	Male	07-OCT-2017	16-AUG-2018	Direct 35 YR
	Not Specified	Fda-Ctu	Not Specified	Not Specified	-
	-	16-AUG-2018	US	Not Specified	-
15454944	-	Herbals\Mitragynine	-	Death	
Serious	Died	Female	05-APR-2018	16-AUG-2018	Direct 31 YR
	Not Specified	Fda-Ctu	Not Specified	Not Specified	-
	-	16-AUG-2018	US	Not Specified	-
15454932	-	Herbals\Mitragynine	-	Death	
Serious	Died	Male	25-APR-2018	16-AUG-2018	Direct 30 YR
	Not Specified	Fda-Ctu	Not Specified	Not Specified	-
	-	16-AUG-2018	US	Not Specified	-
15454852	-	Herbals\Mitragynine	-	Fall;Toxicity	
To Various Agents		Serious	Died	Male	30-APR-2018
16-AUG-2018	Direct	37 YR	Not Specified	Fda-Ctu	Not Specified
	Not Specified	-	-	16-AUG-2018	US
	Specified	-	-	-	Not
15454794	-	Herbals\Mitragynine	-	Death	
Serious	Died	Male	-	16-AUG-2018	Direct 34 YR
	Specified	Fda-Ctu	Not Specified	Not Specified	-
		16-AUG-2018	US	Not Specified	-
15454777	-	Herbals\Mitragynine	-	Death	
Serious	Died	Female	09-NOV-2017	16-AUG-2018	Direct 50 YR
	Not Specified	Fda-Ctu	Not Specified	Not Specified	-
	-	16-AUG-2018	US	Not Specified	-
15454755	-	Herbals\Mitragynine	-	Death	
Serious	Died	Male	27-JUN-2018	16-AUG-2018	Direct 25 YR
	Not Specified	Fda-Ctu	Not Specified	Health Professional	
	-	16-AUG-2018	US	Not Specified	-
15287064	-	Herbals\Mitragynine		Therapy Cessation	
Abnormal		Mobility Decreased;Vertigo;Visual Impairment;Dizziness;Feeling			
AUG-2018		Serious	Other Outcomes	Female	28-JUL-2018
	Direct	30 YR	78.12 KG	Fda-Ctu	Consumer
	Consumer	-	-	14-AUG-2018	US
					Y



15306341	-	-	-	Herbals\Mitragynine	Drug Dependence		
Pain;Vomiting;Hyperhidrosis;Dehydration;Drug Dependence;Anxiety;Restless Legs Syndrome;Drug Withdrawal Syndrome;Constipation;Depression;Acne;Agitation							
Male	07-AUG-2018	10-AUG-2018	Direct	34 YR	99 KG		
Fda-Ctu Consumer		Consumer	Wellbutrin;Buspirone				
Hydrochloride;Effexor	-	10-AUG-2018	US	Y	-		
-	Yes						
15275951	-	-	-	Herbals\Mitragynine	-	Generalised	
Tonic-Clonic Seizure Serious Other Outcomes;Disabled;Life Threatening							
Female	05-AUG-2018	10-AUG-2018	Direct	32 YR			
58.5 KG	Fda-Ctu Consumer	Consumer	-	-	-		
10-AUG-2018	US	Not Specified	-	-	-		
15216665	-	-	-	Herbals\Mitragynine	Anxiety;Depression		
Delusion;Drug Dependence;Psychotic Disorder;Hallucination							
Serious Hospitalized	Male	27-JUL-2018	27-JUL-2018				
Direct	26 YR	69.75 KG	Fda-Ctu Consumer				
Consumer	-	-	27-JUL-2018	US	Not Specified		
-	-	Yes					
15195288	-	-	-	Herbals\Mitragynine	-	Physical	
Lamotrigine;Herbals\Mitragynine;Quetiapine;Paroxetine							
Product Label Issue;Diarrhoea	Death	Serious Other Outcomes;Died	Not Specified				
Specified	-	25-JUL-2018	Expedited	Not Specified			
Not Specified	Glaxosmithkline	Healthcare Professional	Not Specified				
Specified	-	20-JUL-2018	25-JUL-2018	US	Not Specified		
Specified	US-GLAXOSMITHKLINE-US2018132304	"Noori M, Hendrickson R, Hatten B. Kratom: Natural painkiller or herbal enemy?. Clinical Toxicology. 2018;56(6):574. DOI: 10.1080/15563650.2018.1457818."					
-							
15191858	-	-	-	Herbals\Mitragynine	-	Physical	
Product Label Issue;Diarrhoea Serious Other Outcomes Not Specified							
12-JUL-2018	24-JUL-2018	Direct	Not Specified	Not Specified			
Specified	Fda-Ctu Consumer	Consumer	-	-			
24-JUL-2018	US	Not Specified	-	-	-		
15169793	-	-	-	Herbals\Mitragynine	Pain	Death	
Serious Died	Male	03-FEB-2018	18-JUL-2018	Direct	46 YR		
108 KG	Fda-Ctu Consumer	Consumer	-	-			
18-JUL-2018	US	Y	-	-	Yes		
15125035	-	-	-	Herbals\Mitragynine	-	Physical	
Malaise;Vomiting;Dizziness;Dehydration Serious Disabled Male							
02-JUL-2018	07-JUL-2018	Direct	26 YR	80.55 KG			
Fda-Ctu Consumer	Consumer	-	-	07-JUL-2018			
US	Not Specified	-	-				
15028581	-	-	-	Herbals\Mitragynine	Anxiety;Depression		
"Hallucination, Auditory;Disturbance In Attention;Weight Decreased;Psychotic Disorder;Drug Dependence;Asocial Behaviour;Hallucination;Anxiety"							
Outcomes;Hospitalized	Male	17-DEC-2017	18-JUN-2018	Direct			
25 YR	72 KG	Fda-Ctu Consumer	Consumer	-			

-	18-JUN-2018	US	Not Specified	-	-
-					
15017057	-	Herbals\Mitragynine	-	Toxicity To	
Various Agents;Dilatation Ventricular;Dilatation					
Atrial;Cardiomegaly;Cardiac Disorder;Coronary Artery Stenosis					
Serious Died	Male	-	15-JUN-2018	Direct	38 YR Not
Specified	Fda-Ctu	Not Specified	Not Specified	-	-
	15-JUN-2018	US	Not Specified	-	-
15017050	-	Herbals\Mitragynine	-	Seizure	
Serious Other Outcomes	Male	-	15-JUN-2018	Direct	19 YR
Not Specified	Fda-Ctu	Not Specified	Not Specified	-	-
-	15-JUN-2018	US	Not Specified	-	-
-					
15011391	-	Herbals\Mitragynine	Drug Withdrawal		
Syndrome	Anxiety;Drug Withdrawal Syndrome;Suicidal				
Ideation;Drug Dependence		Non-Serious	Non-Serious		Male
	08-JUN-2018	13-JUN-2018	Direct	34 YR	56.25 KG
	Fda-Ctu Consumer	Consumer	-	-	13-
JUN-2018	US	Not Specified	-	-	-
14995024	-	Herbals\Mitragynine	-	Aspartate	
Aminotransferase Increased;Blood Creatinine;Alanine Aminotransferase					
Increased;Multi-Organ Disorder;Somnolence;Obesity;Sepsis;Respiratory					
Failure;Liver Injury;Obstructive Sleep Apnoea					
Syndrome;Ischaemia;Respiratory Depression;Hypotension;Blood Potassium					
Increased;Hypoxia;Oxygen Saturation Decreased;Respiratory					
Acidosis;Dyspnoea;Acute Kidney Injury;Irritability;Cyanosis					
Serious Hospitalized	Male	-	08-JUN-2018	Direct	43 YR
Not Specified	Fda-Ctu	Not Specified	Health Professional		
-	-	08-JUN-2018	US	Not Specified	-
-	-				
14972899	-	Herbals\Mitragynine	-	Vomiting;Job	
Dissatisfaction;Abdominal Pain Upper;Vision Blurred;Visual					
Impairment;Loss Of Personal Independence In Daily					
Activities;Migraine;Abdominal Distension;Loss Of Consciousness					
Serious Other Outcomes	Female	22-APR-2018	04-JUN-2018	Direct	
39 YR	49.9 KG	Fda-Ctu Consumer	Consumer	-	-
-	04-JUN-2018	US	Not Specified	-	-
-					
14955172	Alcohol (Alcohol)				
Alcohol;Dextromethorphan;U-47700;Diphenhydramine;Herbals\Mitragynine;B					
upropion	-	Drug Abuse;Toxicity To Various Agents			
Serious Died	Not Specified	-	31-MAY-2018	Expedited	
	Not Specified	Not Specified	Cipla Healthcare		
Professional	Not Specified	-	17-MAY-2018	31-MAY-2018	
	US	Not Specified	US-CIPLA		
LTD.-2018US18723 "Gummin DD, Mowry JB, Spyker DA, Brooks DE,					
Fraser MO, Banner W. 2016 Annual Report of the American Association of					
Poison Control Centers' National Poison Data System (NPDS): 34th					
Annual Report. Clinical toxicology. 2017;1 to 181"					
14933993	-	Herbals\Mitragynine	-	Toxicity To	

Various Agents	Serious	Died	Male	-	23-MAY-2018	Direct	
26 YR	Not Specified		Fda-Ctu	Healthcare	Professional	Health	
Professional	-	-	23-MAY-2018	US	Not Specified		
-	-	-					
14930211	-	Herbals\Mitragynine	-	Alcohol			
Use;Headache	Serious	Died	Female	19-MAY-2018	22-MAY-2018		
Direct	38 YR	61.2 KG	Fda-Ctu	Healthcare	Professional	Health	
Professional	Alcohol	-	22-MAY-2018	US	Not Specified		
-	-	Yes					
14923707	-	Herbals\Mitragynine	-				
Gastroenteritis	Salmonella;Diarrhoea;Abdominal	Pain	Upper;Recalled				
Product Administered;Nausea	Non-Serious	Non-Serious	Not				
Specified	09-APR-2018	22-MAY-2018	Direct	Not Specified			
Not Specified	Fda-Ctu	Not Specified	Not Specified	-			
-	22-MAY-2018	US	Not Specified	-			
-							
14920117	-	Herbals\Mitragynine	-	Unresponsive			
To Stimuli;Alcohol Use;Headache	Serious	Hospitalized;Life					
Threatening;Disabled	Not Specified	19-MAY-2018	19-MAY-2018				
Direct	38 YR	61.2 KG	Fda-Ctu	Healthcare	Professional	Health	
Professional	-	-	19-MAY-2018	US	Not Specified		
-	-	Yes					
14895829	-	Herbals\Mitragynine	-	Drug			
Dependence	Non-Serious	Non-Serious	Not Specified	-			
15-MAY-2018	Direct	Not Specified	Not Specified	Fda-			
Ctu	Healthcare	Professional	Health Professional	-			
15-MAY-2018	US	Not Specified	-	-			
14909154	-	Herbals\Mitragynine	-	Death			
Serious	Died	Male	11-JAN-2018	14-MAY-2018	Direct	41 YR	
98.1 KG	Fda-Ctu	Consumer	Consumer	Sertraline			
Hydrochloride	-	14-MAY-2018	US	Not Specified	-		
-	-						
14892289	-	Herbals\Mitragynine	Stress				
Vomiting;Headache;Muscle	Spasms;Product						
Contamination;Pyrexia;Diarrhoea;Chills	Serious	Disabled	Male				
07-MAY-2018	09-MAY-2018	Direct	34 YR	85.5 KG	Fda-		
Ctu	Consumer	Consumer	Fish Oil;Vitamins	-			
09-MAY-2018	US	Not Specified	-	-			
14892273	-	Herbals\Mitragynine	Pain Management				
Gastroenteritis	Salmonella	Serious	Hospitalized	Male	06-		
MAY-2018	08-MAY-2018	Direct	41 YR	Not Specified	Fda-		
Ctu	Consumer	Consumer	-	-	08-MAY-2018		
US	Not Specified	-	-	-			
14875716	-	Herbals\Mitragynine	-	Death			
Serious	Died	Male	11-JAN-2018	08-MAY-2018	Direct	41 YR	
98.1 KG	Fda-Ctu	Consumer	Consumer	Sertraline			
Hydrochloride	-	08-MAY-2018	US	Not Specified	-		
-	-						
14842070	-	Herbals\Mitragynine	-	Cardiac			
Arrest;Acute Myocardial	Infarction;Ventricular	Fibrillation					

14820210	Herbals\Mitragynine	Pain	Escherichia			
14801101	Herbals\Mitragynine	Stress Drug				
14784298	Herbals\Mitragynine					
14784877	Herbals\Mitragynine	Anxiety;Arthralgia				
14769203	Herbals\Mitragynine		Death			
14764524	Herbals\Mitragynine	Pain	Feeling			

Excedrin;Tylenol	-	15-APR-2018	US	Not Specified
14759510	-	Alcohol;Herbals\Mitragynine	-	
Dialysis;Seizure;Brain Death;Brain Injury;Product Complaint;Myocardial Infarction;Corneal Reflex Decreased;Alcohol Poisoning;Brain Oedema;Blood Methanol Increased Serious Hospitalized;Died	Male			
03-APR-2018	13-APR-2018	Direct	32 YR	Not Specified
Fda-Ctu	Not Specified	Not Specified	-	-
14753635	-	Herbals\Mitragynine	-	13-APR-2018
Vomiting;Abdominal Discomfort	Non-Serious	Non-Serious	Not Specified	
29-MAR-2018	12-APR-2018	Direct	Not Specified	
Not Specified	Fda-Ctu	Consumer	Not Specified	-
-	12-APR-2018	US	Not Specified	-
14751053	-	Herbals\Mitragynine	-	Nausea;Colitis
Ulcerative;Drug Ineffective;Abdominal Pain;Diarrhoea Haemorrhagic;Mouth Ulceration;Vomiting;Physical Product Label Issue;Diarrhoea;Oedema Peripheral;Pyrexia	Serious	Required		
Intervention;Hospitalized	Female	DEC-2017	11-APR-2018	
Direct	49 YR	Not Specified	Fda-Ctu	Consumer
Specified	-	-	11-APR-2018	US
-	-	-		Not Specified
14753471	-	Herbals\Mitragynine	Drug Withdrawal	
Syndrome;Pain	Chest Pain	Serious	Died	Male
10-APR-2018	Direct	63 YR	56.7 KG	Fda-Ctu
Consumer	Flomax	-	10-APR-2018	US
Specified	-	-	Yes	Not
14727666	-	Herbals\Mitragynine	-	Drug
Dependence;Weight Decreased;Influenza Like Illness	Serious	Other		
Outcomes	Male	-	05-APR-2018	Direct
Not Specified	Fda-Ctu	Consumer	Consumer	-
-	05-APR-2018	US	Not Specified	-
14820204	-	Herbals\Mitragynine	-	
Diarrhoea;Recalled Product Administered;Illness;Gastritis	Non-Serious	Non-Serious		
Specified	Female	-	03-APR-2018	Direct
-	Not Specified	Fda-Ctu	Consumer	Consumer
-	03-APR-2018	US	Not Specified	-
14715448	-	Herbals\Mitragynine	-	Abdominal Pain
Upper;Diarrhoea	Non-Serious	Non-Serious	Male	-
APR-2018	Direct	43 YR	83.25 KG	Fda-Ctu
Consumer	-	-	03-APR-2018	US
Specified	-	-		Not
14708204	-	Herbals\Mitragynine	-	
Myalgia;Recalled Product Administered;Salmonellosis	Non-Serious	Not Specified	16-NOV-2017	02-APR-2018
Direct	Not Specified	Not Specified	Fda-Ctu	Consumer
Not Specified	-	-	02-APR-2018	US
				Not

Specified	-	-	-				
14699565	-	Herbals\Mitragynine	Back Pain				
Diarrhoea;Abdominal Discomfort	Serious	Other Outcomes	Male	15-			
FEB-2018	29-MAR-2018	Direct	37 MTH	119.25 KG	Fda-		
Ctu	Consumer	Consumer	Advil	-	29-MAR-2018		
US	Y	-	-	-			
14699508	-	Herbals\Mitragynine	Attention Deficit				
Hyperactivity Disorder	Drug Dependence	Serious	Other Outcomes	Male			
-	29-MAR-2018	Direct	24 YR	Not Specified	Fda-		
Ctu	Consumer	Consumer	-	-	29-MAR-2018		
US	Not Specified	-	-	-			
14690808	-	Herbals\Mitragynine	-	Toxicity To			
Various Agents;Accidental Death	Serious	Died	Male	-	28-		
MAR-2018	Direct	Not Specified	Not Specified	Fda-Ctu	Not		
Specified	Not Specified	-	-	28-MAR-2018	US		
Not Specified	-	-	-				
14690805	-	Herbals\Mitragynine	-	Death			
Serious Died	Male	-	28-MAR-2018	Direct	25 YR	Not	
Specified	Fda-Ctu	Not Specified	Not Specified	-	-		
28-MAR-2018	US	Not Specified	-	-	-		
14690798	-	Herbals\Mitragynine	-	Death			
Serious Died	Male	-	28-MAR-2018	Direct	38 YR	Not	
Specified	Fda-Ctu	Not Specified	Not Specified	-	-		
28-MAR-2018	US	Not Specified	-	-	-		
14690795	-	Herbals\Mitragynine	-	Toxicity To			
Various Agents;Accidental Death	Serious	Died	Male	-	28-		
MAR-2018	Direct	40 YR	Not Specified	Fda-Ctu	Not Specified		
Not Specified	-	-	28-MAR-2018	US	Not		
Specified	-	-	-				
14690788	-	Herbals\Mitragynine	-	Death			
Serious Died	Male	-	28-MAR-2018	Direct	33 YR	Not	
Specified	Fda-Ctu	Not Specified	Not Specified	-	-		
28-MAR-2018	US	Not Specified	-	-	-		
14690779	-	Herbals\Mitragynine	-	Death			
Serious Died	Male	-	28-MAR-2018	Direct	36 YR	Not	
Specified	Fda-Ctu	Not Specified	Not Specified	-	-		
28-MAR-2018	US	Not Specified	-	-	-		
14690723	-	Herbals\Mitragynine	-	Death			
Serious Died	Male	-	28-MAR-2018	Direct	23 YR	Not	
Specified	Fda-Ctu	Not Specified	Not Specified	-	-		
28-MAR-2018	US	Not Specified	-	-	-		
14690718	-	Herbals\Mitragynine	-	Accidental			
Death;Toxicity To Various Agents	Serious	Died	Not Specified				
-	28-MAR-2018	Direct	26 YR	Not Specified	Fda-		
Ctu	Not Specified	Not Specified	-	-	28-MAR-2018		
US	Not Specified	-	-	-			
14690713	-	Herbals\Mitragynine	-	Toxicity To			
Various Agents;Accidental Death	Serious	Died	Not Specified	-			
28-MAR-2018	Direct	30 YR	Not Specified	Fda-Ctu	Not		
Specified	Not Specified	-	-	28-MAR-2018	US		

	Not Specified	-	-	-		
14689578	Zoloft	Sertraline Hydrochloride;Herbals\Mitragynine				
	Anxiety Drug Level Increased;Product Label Issue					
Serious	Died	Male	22-APR-2016	27-MAR-2018	Direct	22 YR
	103.5 KG	Fda-Ctu Consumer		Consumer		-
	-	27-MAR-2018	US	Not Specified	-	-
	-					
14679126	-	Herbals\Mitragynine		Hypertension		
	Pallor;Intentional Product Misuse;Loss Of Consciousness;Respiratory					
	Rate Decreased;Blood Pressure Decreased;Hyperhidrosis					
	Outcomes	Male	-	23-MAR-2018	Direct	37 YR
	Specified	Fda-Ctu Consumer		Consumer		-
	23-MAR-2018	US	Not Specified	-	-	-
14674127	-	Herbals\Mitragynine		Anxiety;Depression		
	Drug Abuser;Restless Legs					
	Syndrome;Formication;Rhinorrhoea;Lacrimation Increased;Withdrawal					
	Syndrome;Yawning	Serious Other Outcomes	Female	22-MAR-2018		
	22-MAR-2018	Direct	35 YR	52.2 KG	Fda-Ctu Consumer	
	Consumer	Abilify;Wellbutrin;Topamax		-		22-
MAR-2018	US	Not Specified	-	-	Yes	
14665135	-	Herbals\Mitragynine		Analgesic Therapy		
	Pain;Headache;Gastrointestinal Disorder;Feeding					
	Disorder;Pyrexia;Abdominal Pain Upper;Flatulence;Nausea Non-Serious					
	Non-Serious	Female	15-MAR-2018	19-MAR-2018	Direct	
	60 YR 90 KG	Fda-Ctu Consumer		Consumer		
	Unspecified Ingredient	-	19-MAR-2018	US	Not Specified	
	-	-				
14664687	-	Herbals\Mitragynine		Drug		
	Dependence	Serious Other Outcomes	Male	01-JAN-2018		19-
MAR-2018	Direct	34 YR	58.5 KG	Fda-Ctu Healthcare		
	Professional	Health Professional	-	-	19-MAR-2018	
	US	Not Specified	-	-		
14659699	-	Herbals\Mitragynine		Product Label		
	Issue;Vertigo;Nausea;Euphoric Mood	Serious Other Outcomes	Female			
	16-MAR-2018	19-MAR-2018	Direct	48 YR	61.23 KG	
	Fda-Ctu Consumer	Consumer		-	-	19-
MAR-2018	US	Y	-	-		
14648750	-	Herbals\Mitragynine				
	Incoherent;Fall;Gait Disturbance;Alcohol Use;Product Use Issue					
	Serious Life Threatening	Not Specified		19-FEB-2018		16-
MAR-2018	Direct	28 YR	Not Specified	Fda-Ctu Consumer		
	Consumer	-	-	16-MAR-2018	US	Not
	Specified	-	-			
14637209	-	Herbals\Mitragynine		Drug Abuse		
	Toxicity To Various Agents	Serious Died	Male	13-MAR-2017		
	14-MAR-2018	Direct	31 YR	67.13 KG	Fda-Ctu	
	Healthcare Professional	Health Professional		Gabapentin;Heroin		
	-	14-MAR-2018	US	Not Specified	-	-
	-					
14637202	-	Herbals\Mitragynine		Drug Abuse		

Alcohol Use;Accidental Death;Toxicity To Various Agents	Serious	Died				
Male	27-MAY-2014	14-MAR-2018	Direct	24 YR	73.48	
KG	Fda-Ctu Healthcare Professional Health Professional					
Venlafaxine;Mirtazapine	-	14-MAR-2018	US	Not Specified		
-	-	-				
14637201	-	Herbals\Mitragynine	Drug Diversion;Product			
Used For Unknown Indication		Accidental Death;Toxicity To Various				
Agents	Serious	Died	Male	08-MAR-2015	14-MAR-2018	Direct
22 YR	88 KG	Fda-Ctu Healthcare Professional Health				
Professional	-	-	14-MAR-2018	US	Not Specified	
-	-	-				
14637183	-	Herbals\Mitragynine	Drug Diversion;Product			
Used For Unknown Indication		Accidental Death;Toxicity To Various				
Agents	Serious	Died	Male	23-APR-2015	14-MAR-2018	Direct
31 YR	89.81 KG	Fda-Ctu Healthcare Professional Health				
Professional	Ibuprofen	-	14-MAR-2018	US	Not	
Specified	-	-				
14637163	-	Herbals\Mitragynine	Drug Diversion;Product			
Used For Unknown Indication		Accidental Death;Toxicity To Various				
Agents	Serious	Died	Male	06-JUL-2015	14-MAR-2018	Direct
45 YR	68.49 KG	Fda-Ctu Healthcare Professional Health				
Professional	Lisinopril;Lamotrigine;Atenolol	-	14-MAR-2018			
US	Not Specified	-	-	-		
14637157	-	Herbals\Mitragynine	Product Used For			
Unknown Indication		Toxicity To Various Agents	Serious	Died		
Male	19-JUL-2015	14-MAR-2018	Direct	23 YR	75.75	
KG	Fda-Ctu Healthcare Professional Health Professional					
-	14-MAR-2018	US	Not Specified	-	-	
-						
14637152	-	Herbals\Mitragynine	Product Used For			
Unknown Indication		Toxicity To Various Agents	Serious	Died		
Male	03-JUN-2016	14-MAR-2018	Direct	30 YR	73.03	
KG	Fda-Ctu Healthcare Professional Health Professional					
Alprazolam;Citalopram;Zolpidem	-	14-MAR-2018	US	Not		
Specified	-	-				
14637146	-	Herbals\Mitragynine	Product Used For			
Unknown Indication		Toxicity To Various Agents	Serious	Died		
Female	16-JAN-2017	14-MAR-2018	Direct	25 YR	53.98	
KG	Fda-Ctu Healthcare Professional Health Professional					
Alprazolam;Sertraline	-	14-MAR-2018	US	Not Specified		
-	-	-				
14637050	-	Herbals\Mitragynine	Drug Diversion;Product			
Used For Unknown Indication		Toxicity To Various Agents				
Serious	Died	Male	10-MAR-2017	14-MAR-2018	Direct	34 YR
76.66 KG	Fda-Ctu Healthcare Professional Health					
Professional	Pregabalin;Oxycodone	-	14-MAR-2018	US		
Not Specified	-	-	-			
14635754	-	Herbals\Mitragynine	Drug Withdrawal			
Maintenance Therapy;Pain		Restless Legs Syndrome;Loss Of				
Employment;Impaired Quality Of Life;Anger;Drug Withdrawal						



Syndrome;Insomnia;Drug Ineffective;Anxiety;Feeling Abnormal;Depressed Mood;Drug Dependence	Non-Serious	Non-Serious	Male	-
13-MAR-2018	Direct	26 YR	68.04 KG	Fda-Ctu
Consumer	Consumer	Herbals\Withania Somnifera		
Root;Herbals	-	13-MAR-2018	US	Not Specified -
-	-			
14613817	-	Herbals\Mitragynine	Drug Rehabilitation	
Seizure;Drug Dependence;Asthenia;Panic Attack	Serious			
Hospitalized;Required Intervention	Male	08-JAN-2016	08-	
MAR-2018	Direct	32 YR	86.18 KG	Fda-Ctu Consumer
Consumer	-	-	08-MAR-2018	US Not
Specified	-	-		
14577749	-	Herbals\Mitragynine	Drug Withdrawal	
Maintenance Therapy	Toxicologic Test Abnormal;Toxicity To Various			
Agents	Serious Died	Male	05-FEB-2018	26-FEB-2018 Direct
19 YR	72 KG	Fda-Ctu Consumer	Consumer	Prozac
-	26-FEB-2018	US	Not Specified	-
-				
14566812	-	Herbals\Mitragynine	Anxiety Euphoric	
Mood;Behaviour Disorder;Personality Change	Serious Hospitalized			
Male	17-NOV-2017	22-FEB-2018	Direct	42 YR 72 KG
Fda-Ctu Consumer	Consumer		Escitalopram	-
22-FEB-2018	US	Not Specified	-	Yes
14554687	-	Benzodiazepine;Herbals\Mitragynine		
Haemodynamic Instability;Cardio-Respiratory Arrest;Pneumonia				
Aspiration;Substance Abuse;Body Temperature Decreased;Metabolic				
Acidosis	Serious Died	Female	-	20-FEB-2018 Direct
29 YR	Not Specified	Fda-Ctu	Not Specified	Not Specified
-	-	20-FEB-2018	US	Not Specified -
-				
14554625	-	Herbals\Mitragynine;Diphenhydramine		
Therapy	Non-Responder;Seizure;Cardiac Arrest		Serious Died	
Female	-	20-FEB-2018	Direct	38 YR Not Specified
Fda-Ctu	Not Specified	Not Specified	-	- 20-
FEB-2018	US	Not Specified	-	-
14554619	-	Herbals\Mitragynine		
Rhabdomyolysis;Hypothermia;Alanine Aminotransferase				
Increased;Electroencephalogram Abnormal;Aspartate Aminotransferase				
Increased;Blood Creatine Phosphokinase Increased;Areflexia				
Serious Died	Male	-	20-FEB-2018	Direct 22 YR Not
Specified	Fda-Ctu	Not Specified	Not Specified	- -
20-FEB-2018	US	Not Specified	-	-
14554618	-	Herbals\Mitragynine		Completed
Suicide	Serious Died	Male	16-JUL-2014	20-FEB-2018 Direct
20 YR	73.94 KG	Fda-Ctu	Healthcare Professional	Health
Professional	-	-	20-FEB-2018	US Not Specified
-	-	-		
14554565		Acetaminophen And Diphenhydramine Hydrochloride		
Acetaminophen\Diphenhydramine				
Hydrochloride;Herbals\Mitragynine;Alcohol				-

Coagulopathy;Hypotension;Respiratory Failure;Encephalopathy;Sepsis;Treatment Failure;Renal Failure;Acute Hepatic Failure	Serious	Died	Female	-	20-FEB-2018	Direct
53 YR	Not Specified	Fda-Ctu	Not Specified	Not Specified	Not Specified	
-	-	20-FEB-2018	US	Not Specified	-	
-	-					
14553550	-	Herbals\Mitragynine	-	Vaginal		
Haemorrhage;Abnormal Uterine Bleeding;Nausea	Non-Serious	Non-Serious	Non-Serious	Non-Serious	Non-Serious	Non-Serious
Serious Female	-	14-FEB-2018	Direct	Not Specified	Not Specified	Not Specified
Specified	Fda-Ctu	Consumer	Consumer	-	-	-
14-FEB-2018	US	Not Specified	-	-	-	-
14553541	-	Herbals\Mitragynine	-	Abnormal		
Uterine Bleeding	Non-Serious	Non-Serious	Non-Serious	Female	-	-
14-FEB-2018	Direct	Not Specified	Not Specified	Fda-		
Ctu	Consumer	Consumer	-	-	14-FEB-2018	
US	Not Specified	-	-	-		
14553247	-	Herbals\Mitragynine	Pain	Drug		
Intolerance;Withdrawal Syndrome;Marital Problem;Socioeconomic Precarity;Pain	Serious	Disabled;Hospitalized	Male	03-OCT-2017		
11-FEB-2018	Direct	Not Specified	99 KG	Fda-Ctu		
Consumer	Consumer	Wellbutrin;Lexapro	-	11-		
FEB-2018	US	Not Specified	-	Yes		
14510268	-	Herbals\Mitragynine	-	Drug		
Dependence	Serious	Other Outcomes;Required	Intervention	Male		
-	08-FEB-2018	Direct	34 YR	Not Specified	Fda-	
Ctu	Not Specified	Health Professional	-	-	08-	
FEB-2018	US	Not Specified	-	-		
14510227	-	Herbals\Mitragynine	Back Disorder	Drug		
Dependence	Serious	Life Threatening;Disabled;Other Outcomes				
Male	-	08-FEB-2018	Direct	34 YR	Not Specified	
Fda-Ctu	Consumer	Consumer	Unspecified Ingredient			
-	08-FEB-2018	US	Not Specified	-	-	
Yes						
14510073	-	Herbals\Mitragynine	Back Pain			
Aspiration	Serious	Died	Male	19-JAN-2014	07-FEB-2018	
Direct	Not Specified	54 KG	Fda-Ctu	Consumer		
Consumer	-	-	07-FEB-2018	US	Not Specified	
-	-	-				
14501662	-	Herbals\Mitragynine	Substance Use			
Mydriasis;Seizure	Serious	Life Threatening;Hospitalized	Not			
Specified	03-FEB-2018	06-FEB-2018	Direct	17 YR	Not	
Specified	Fda-Ctu	Healthcare Professional	Health Professional			
-	-	06-FEB-2018	US	Not Specified	-	
-	-					
14449343	Bupropion Hydrochloride Xl	Bupropion				
Hydrochloride;Dextromethorphan;Alcohol;U-47700;Diphenhydramine;Herbals \Mitragynine	Product Used For Unknown Indication	Cardio-				
Respiratory Arrest;Drug Abuse	Serious	Died	Male	-	27-	
JAN-2018	Expedited	27 YR	Not Specified	Endo		
Healthcare Professional	Not Specified	-	02-JAN-2018	27-		

JAN-2018 US Not Specified US-ENDO PHARMACEUTICALS  
 INC-2018-013940 "Gummin D D, Mowry J B, Spyker D A, Brooks D E, Fraser  
 M O, Banner W.. 2016 Annual Report of the American Association of  
 Poison Control Centers' National Poison Data System (NPDS): 34th  
 Annual Report. Clinical Toxicology. 2017;55 (10):1072-1254" -  
 14379566 - 3-  
 Methoxyphencyclidine;Delorazepam;Bupropion;Herbals\Mitragynine;Paroxet  
 ine Product Used For Unknown Indication Toxicity To Various  
 Agents Serious Other Outcomes;Died Male - 12-JAN-2018  
 Expedited 21 YR Not Specified Lupin Healthcare  
 Professional Not Specified - 29-DEC-2017 12-JAN-2018  
 US Not Specified US-LUPIN PHARMACEUTICALS  
 INC.-2017-07801 "Mitchell-Mata C, Thomas B, Peterson B, Couper F. Two  
 fatal intoxications involving 3-methoxyphencyclidine.. Journal of  
 Analytical Toxicology. 2017;41(6):503-507" -  
 14379276 - Paroxetine;3-  
 Methoxyphencyclidine;Bupropion;Herbals\Mitragynine;Delorazepam  
 Product Used For Unknown Indication Toxicity To Various Agents  
 Serious Died;Other Outcomes;Life Threatening Male -  
 12-JAN-2018 Expedited 21 YR Not Specified  
 Ranbaxy Healthcare Professional Not Specified - 29-DEC-2017  
 12-JAN-2018 US Not Specified US-SUN PHARMACEUTICAL  
 INDUSTRIES LTD-2017US-159563 "Mitchell-Mata C, Thomas B, Peterson  
 B, Couper F. Two fatal intoxications involving 3-methoxyphencyclidine.  
 J Anal Toxicol. 2017;41(6):503-507" -  
 14378666 -  
 Phencyclidine;Bupropion;Delorazepam;Herbals\Mitragynine;Paroxetine  
 Product Used For Unknown Indication Toxicity To Various  
 Agents Serious Other Outcomes;Died;Life Threatening Male -  
 12-JAN-2018 Expedited 21 YR Not Specified  
 Aurobindo Healthcare Professional Not Specified - 29-  
 DEC-2017 12-JAN-2018 US Not Specified US-AUROBINDO-  
 AUR-APL-2018-001673 "Mitchell-Mata C, Thomas B, Peterson B, Couper  
 F.. Two fatal intoxications involving 3-methoxyphencyclidine. Journal  
 of Analytical Toxicology.. 2017;41(6):503-7" -  
 14378661 - 3-  
 Methoxyphencyclidine;Bupropion;Paroxetine;Delorazepam;Herbals\Mitragyn  
 ine;Alcohol - Toxicity To Various Agents;Unresponsive To  
 Stimuli Serious Other Outcomes;Died Not Specified - 12-  
 JAN-2018 Expedited Not Specified Not Specified Cipla  
 Healthcare Professional Not Specified - 29-DEC-2017  
 12-JAN-2018 US Not Specified US-CIPLA  
 LTD.-2018US00778 "Mitchell-Mata C, Thomas B, Peterson B, Couper  
 F.. Two fatal intoxications involving 3-methoxyphencyclidine. Journal  
 of Analytical Toxicology. 2017;41(6):503-507" -  
 14367521 - Herbals\Mitragynine Anxiety Hepatotoxicity  
 Serious Life Threatening Male 18-DEC-2017 05-  
 JAN-2018 Direct 25 YR Not Specified Fda-Ctu Healthcare  
 Professional Health Professional - - 05-JAN-2018  
 US Not Specified - - -

14359491	-	Herbals\Mitragynine;Bupropion;Delorazepam;Paroxetine	Product Used	
For Unknown Indication	Toxicity To Various Agents		Serious	
Died;Life Threatening;Other Outcomes	Male	-	05-JAN-2018	
Expedited	21 YR	Not Specified	Bausch And Lomb	
Healthcare Professional	Not Specified	-	29-DEC-2017	05-
JAN-2018	US	Not Specified	US-BAUSCH-BL-2018-000058	
-	-			
14355797	-	Bupropion;Paroxetine;Herbals\Mitragynine;Phencyclidine;Delorazepam	Product Used	
For Unknown Indication	Toxicity To Various Agents		Serious	
Died;Life Threatening	Male	-	05-JAN-2018	
Expedited	21 YR	Not Specified	Sandoz Healthcare	
Professional	Not Specified	-	02-JAN-2018	05-JAN-2018
US	Not Specified	PHHY2017US197643	"Mitchell-Mata	
C, Thomas B, Peterson B, Couper F. Two fatal intoxications involving 3-methoxyphencyclidine. JOURNAL OF ANALYTICAL TOXICOLOGY. 2017;41(6):503-507"				
13934406	-	Paroxetine;Herbals\Mitragynine;Delorazepam;3-Methoxyphencyclidine;Alcohol;Bupropion	Completed Suicide	
Toxicity To Various Agents	Serious	Died	Male	-
05-JAN-2018	Expedited	21 YR	Not Specified	Alvogen
Healthcare Professional	Not Specified	-	29-DEC-2017	05-SEP-2017
US	Not Specified	US-ALVOGEN-2017-ALVOGEN-093372		
"Mitchell-Mata C, Thomas B, Peterson B, Couper F. Two Fatal Intoxications Involving 3-Methoxyphencyclidine. J Anal Toxicol. 2017 Jul 1;41(6):503-507."				
14351639	-	Herbals\Mitragynine;3-Methoxyphencyclidine;Delorazepam;Paroxetine;Bupropion	Product Used	
For Unknown Indication	Toxicity To Various Agents		Serious	Other
Outcomes;Died;Life Threatening	Male	-	04-JAN-2018	
Expedited	21 YR	Not Specified	Glaxosmithkline Healthcare	
Professional	Not Specified	-	22-DEC-2017	04-JAN-2018
US	Not Specified	US-GLAXOSMITHKLINE-		
US2018000016	"Mitchell-Mata C, Thomas B, Peterson B, Couper F. Two fatal intoxications involving 3-methoxyphencyclidine. Journal of Analytical Toxicology. 2017;41(6):503-507; doi: 10.1093/jat/bkx048"			
-	-			
14347379	-	Herbals\Mitragynine	Neuropathy Peripheral	
Mental Status Changes;Hepatic Failure;Lethargy;Coma;Jaundice;Seizure	Serious	Died;Hospitalized		
Male	02-JAN-2018	02-JAN-2018	Direct	46 YR 93 KG
Fda-Ctu Healthcare Professional	Health Professional			
Metoprolol;Lisinopril	-	02-JAN-2018	US	Not Specified
-	-			
14347378	-	Herbals\Mitragynine	Pain	Drug
Dependence	Serious	Other Outcomes	Male	-
Direct	30 YR	65.25 KG	Fda-Ctu Consumer	02-JAN-2018
Consumer	Suboxone	-	02-JAN-2018	US
Specified	-	-	-	Not

14345738	-	Herbals\Mitragynine	Muscle Relaxant			
Therapy Toxicity To Various Agents;Chromaturia;Liver Injury;Jaundice;Pruritus						
DEC-2017	02-JAN-2018	Direct	35 YR	82 KG	Fda-Ctu	18-
Healthcare Professional	Health Professional	-	-	-	-	02-
JAN-2018	US	Not Specified	-	-	-	
14345719	-	Herbals\Mitragynine	Product Used For			
Unknown Indication Malaise;Near Death Experience;Accidental Overdose;Drug Screen Positive;Opiates Positive						
Female	02-OCT-2017	02-JAN-2018	Direct	45 YR	45.36	
KG	Fda-Ctu	Not Specified	Not Specified	-	-	02-
JAN-2018	US	Not Specified	-	-	-	
14343116	-	Herbals\Mitragynine	Substance Use			
Withdrawal Syndrome;Loss Of Employment;Impaired Work Ability;Restlessness;Socioeconomic Precarity;Insomnia;Suicidal Ideation;Depression;Nausea;Drug Dependence						
Outcomes;Disabled	Male	05-DEC-2015	31-DEC-2017	Direct		
33 YR	86.4 KG	Fda-Ctu	Consumer	Consumer		
Parnate	-	31-DEC-2017	US	Not Specified	-	-
-	-	-	-	-	-	-
14331847	-	Herbals\Mitragynine	Pain	Socioeconomic		
Precarity;Impaired Work Ability;Drug Dependence;Seizure						
Hospitalized	Male	27-OCT-2017	27-DEC-2017	Direct	31 YR	
53.55 KG		Fda-Ctu	Consumer	Consumer		
Seroquel;Xanax	-	27-DEC-2017	US	Not Specified	-	
-	-	-	-	-	-	-
14291011	-	Herbals\Mitragynine	-	Death		
Serious Died	Male	-	15-DEC-2017	Direct	Not Specified	
Not Specified		Fda-Ctu	Consumer	Consumer	-	
-	15-DEC-2017	Not Specified	Not Specified	Not Specified	-	
-	-	-	-	-	-	-
14291010	-	Herbals\Mitragynine	-	Death		
Serious Died	Male	06-AUG-2017	15-DEC-2017	Direct	Not	
Specified		Not Specified	Fda-Ctu	Not Specified	Not Specified	
-	-	15-DEC-2017	Not Specified	Not Specified	Not Specified	
-	-	-	-	-	-	-
14290383	-					
Bupropion;Alcohol;Diphenhydramine;Herbals\Mitragynine;Dextromethorphan						
Product Used For Unknown Indication Intentional Product						
Misuse;Death	Serious Died	Male	-	15-DEC-2017		
Expedited	27 YR	Not Specified	Alvogen	Healthcare		
Professional	Not Specified	-	30-NOV-2017	15-DEC-2017		
US	Not Specified	US-ALVOGEN-2017-				
ALVOGEN-094441 "Gummin DD, Mowry JB, Spyker DA, Brooks DE, Fraser MO, Banner W. 2016 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 34th Annual Report. Clin Toxicol (Phila). 2017 Dec; 55(10):1072-1252."						
14258558	-	Herbals\Mitragynine	Pain	Agitation;Drug		
Withdrawal Syndrome;Anxiety;Physical Assault;Hostility;Drug Dependence						
Non-Serious	Non-Serious	Male	01-MAR-2016	05-		

DEC-2017	Direct	24 YR	90 KG	Fda-Ctu	Consumer	
Consumer	Unspecified	Ingredient;Celexa	-	-	-	05-DEC-2017
US	Not Specified	-	-	-	-	
14212085	-	Herbals\Mitragynine	-	-	-	Arthralgia;Depression
"Loss Of Personal Independence In Daily Activities;Vomiting;Hallucination, Auditory;Yellow Skin;Drug Withdrawal Syndrome;Nausea;Crying;Drug Abuse;Tremor;Nasopharyngitis;Nightmare"						
09-MAR-2016	21-NOV-2017	Direct	46 YR	81 KG	Fda-	Male
Ctu	Consumer	Consumer	-	-	-	21-NOV-2017
US	Not Specified	-	-	-	-	
14204882	-	Herbals\Mitragynine	-	-	-	Anxiety Brain
Death;Respiratory Arrest;Drug Dependence;Pulse Absent;Overdose;Marital Problem;Generalised Tonic-Clonic Seizure						
Died;Hospitalized	Male	14-DEC-2013	18-NOV-2017	Direct		
36 YR	99 KG	Fda-Ctu	Consumer	Consumer		
Lamictal	-	18-NOV-2017	US	Not Specified	-	
-	-	-	-	-	-	
14194942	-	Herbals\Mitragynine	-	-	-	Eye
Contusion;Haemorrhage;Scar;Fall;Panic Reaction;Skin Laceration;Somnambulism;Sleep Terror						
02-JUN-2016	15-NOV-2017	Direct	40 YR	58.5 KG	Fda-	Female
Ctu	Consumer	Consumer	-	-	-	15-NOV-2017
US	Not Specified	-	-	-	-	
14190720	-	Herbals\Mitragynine	-	-	-	Drug Dependence
Overdose	Serious	Died	Male	26-DEC-2016	14-NOV-2017	
Direct	22 YR	Not Specified	Fda-Ctu	Consumer		
Consumer	Xanax;Unspecified	Ingredient	-	-	-	14-NOV-2017
US	Not Specified	-	-	-	-	
14180919	-	Herbals\Mitragynine	-	-	-	Product Used For
Unknown	Indication	Jaundice;Lethargy;Hepatic	Enzyme	Increased		
Serious	Hospitalized;Other	Outcomes	Male	07-NOV-2017		
08-NOV-2017	Direct	26 YR	Not Specified	Fda-Ctu		
Healthcare Professional	Health Professional	-	-	-	-	08-
NOV-2017	US	Not Specified	-	-	-	
14157394	-	Herbals\Mitragynine	-	-	-	Anxiety;Depression
Generalised Tonic-Clonic Seizure						
Outcomes;Hospitalized;Life Threatening	Male	26-OCT-2017	01-			
NOV-2017	Direct	35 YR	54 KG	Fda-Ctu	Consumer	
Consumer	Lamictal;Keppra;Melatonin	-	-	-	-	01-NOV-2017
US	Not Specified	-	-	-	-	
14037602	-	Herbals\Mitragynine	-	-	-	Sudden
Death;Toxicity To Various Agents						
03-OCT-2017	Direct	39 YR	77.85 KG	Fda-	Male	08-
MAY-2017	Consumer	Consumer	-	-	-	03-OCT-2017
Ctu	US	Not Specified	-	-	-	
13929400	Contrave	Bupropion Hydrochloride\Naltrexone	-	-	-	
Hydrochloride;Herbals\Mitragynine						
Indication	Drug Interaction;Withdrawal Syndrome	Serious				
Hospitalized	Not Specified	04-MAY-2017	01-SEP-2017			

Expedited	Not Specified	Not Specified	Orexigen Therapeutics
Consumer	Not Specified	-	18-AUG-2017 01-
SEP-2017	US	Not Specified	"US-OREXIGEN THERAPEUTICS, INC.-2025430"
13516276	-	-	Herbals\Mitragynine;Quinine;Loperamide
Product Used For Unknown Indication			Drug Abuse;Drug Interaction;Accidental Overdose Serious Died;Other Outcomes
Specified	-	05-MAY-2017	Expedited 33 YR Not
Specified	Ranbaxy Healthcare Professional	Not Specified	-
20-APR-2017	05-MAY-2017	US	Not Specified US-SUN
PHARMACEUTICAL INDUSTRIES LTD-2017US-139633			"Bishop-Freeman SC, Feaster MS, Beal J, Miller A, Hargrove RL, Brower JO et al. Loperamide-related deaths in North Carolina. J Anal Toxicol. 2016;40(8):677-686"
13513333	-	-	Loperamide;Herbals\Mitragynine Product Used For Unknown Indication Drug Interaction;Accidental Overdose;Drug Abuse Serious Died;Other Outcomes Male - 04-MAY-2017
Expedited	24 YR	Not Specified	Ranbaxy Healthcare Professional Not Specified Tramadol 20-APR-2017 04-MAY-2017 US Not Specified US-SUN PHARMACEUTICAL INDUSTRIES LTD-2017US-139677
			"Bishop-Freeman SC, Feaster MS, Beal J, Miller A, Hargrove RL, Brower JO et al. Loperamide-related deaths in North Carolina. J Anal Toxicol. 2016;40(8):677-686"
13513320	Propranolol	Propranolol	Hydrochloride;Herbals\Mitragynine;Citalopram;Quinine;Loperamide Product Used For Unknown Indication Drug Abuse;Drug Interaction;Accidental Overdose Serious Other Outcomes;Died Not Specified - 04-MAY-2017 Expedited 37 YR Not Specified Ranbaxy Healthcare Professional Not Specified - 20-APR-2017 04-MAY-2017 US Not Specified US-SUN PHARMACEUTICAL INDUSTRIES LTD-2017US-139634
			"Bishop-Freeman SC, Feaster MS, Beal J, Miller A, Hargrove RL, Brower JO et al. Loperamide-related deaths in North Carolina. J Anal Toxicol. 2016;40(8):677-686"
13407030	Fluoxetine	Pregabalin;Fluoxetine	Hydrochloride;Lorazepam;Pipamperone;Olanzapine;Quetiapine;Herbals\Mitragynine;Triazolam;Etizolam Product Used For Unknown Indication Haematoma;Pulmonary Oedema;Loss Of Consciousness;Aspiration;Overdose;Fall;Humerus Fracture Serious Other Outcomes;Died Not Specified - 16-APR-2017 Expedited Not Specified Not Specified Mylan Healthcare Professional Not Specified - 05-APR-2017 05-APR-2017 DE Not Specified DE-MYLANLABS-2017M1021108
			"Domingo O, Roeder G, Stover A, Graw M, Musshoff F, Sachs H, et al. Mitragynine concentrations in two fatalities. Forensic-Sci-Int 2017;271:e1-e7."
13421666	Fluoxetine	Fluoxetine	Hydrochloride;Olanzapine;Triazolam;Lorazepam;Quetiapine;Pipamperone;Etizolam;Herbals\Mitragynine;Pregabalin Product Used For Unknown Indication;Substance Use Loss Of Consciousness;Aspiration

22 YR	Specified	Not Specified	Male	-	10-APR-2017	Expedited	
Specified	28-MAR-2017	10-APR-2017	DE	Not Specified			
Specified	PHHY2017DE051635	"Domingo O, Roider G, Stover A, Graw M, Musshoff F, Sachs H, et al.. Mitragynine concentrations in two fatalities. FORENSIC SCIENCE INTERNATIONAL. 2017;271:e1-e7" -					
13395314	Remeron;Nucynta Tapentadol						
	Hydrochloride;Mirtazapine;Herbals\Mitragynine						
	Depression;Insomnia;Intervertebral Disc Protrusion					Serotonin	
	Syndrome;Bedridden;Contraindication To Medical Treatment						
01-APR-2017	Direct	42 YR	84.6 KG	Fda-Ctu	Consumer		
Consumer	Adderall;Dalmane;Trazodone;Clonazepam;Aspirin						
01-APR-2017	US	Not Specified	-	-	-		
13080823	Propranolol	Propranolol					
	Hydrochloride;Quinine;Herbals\Mitragynine;Loperamide;Citalopram						
	Product Used For Unknown Indication				Drug Interaction;Accidental		
	Overdose;Toxicity To Various Agents				Serious Died	Not Specified	
-	03-JAN-2017	Expedited	37 YR			Not Specified	
Lupin	Healthcare Professional	Not Specified	-			20-	
DEC-2016	03-JAN-2017	US	Not Specified			US-LUPIN	
PHARMACEUTICALS INC.-2017-00017	-	-					
13079564	-	Quinine;Herbals\Mitragynine;Loperamide					
	Product Used For Unknown Indication				Drug Interaction;Accidental		
	Overdose;Toxicity To Various Agents				Serious Died	Not Specified	
-	03-JAN-2017	Expedited	33 YR			Not Specified	
Lupin	Healthcare Professional	Not Specified	-			20-	
DEC-2016	03-JAN-2017	US	Not Specified			US-LUPIN	
PHARMACEUTICALS INC.-2017-00016	-	-					
13078751	Propranolol	Propranolol					
	Hydrochloride;Citalopram;Quinidine;Quinine						
	Sulfate;Herbals\Mitragynine;Loperamide				Toxicity To Various		
	Agents;Accidental Overdose;Drug Interaction;Drug Abuse				Serious Died		
	Not Specified	-	02-JAN-2017	Expedited	37 YR		
	Not Specified	Teva	Healthcare Professional			Not Specified	
-	26-DEC-2016	02-JAN-2017	US			Not Specified	
US-TEVA-725444USA		"Bishop-Freeman SC, Feaster MS, Beal J, Miller A, Hargrove RL, Brower JO, et al. Loperamide-related deaths in North Carolina. J-Anal-Toxicol 2016;40(8):677-686." -					
13078750	-	Herbals\Mitragynine;Loperamide;Quinine					
	Sulfate;Quinidine				Drug Interaction;Toxicity To Various		
	Agents;Drug Abuse;Accidental Overdose				Serious Died	Not Specified	
-	02-JAN-2017	Expedited	33 YR			Not Specified	
Teva	Healthcare Professional	Not Specified	-			26-	
DEC-2016	02-JAN-2017	US	Not Specified			US-	
TEVA-725443USA		"Bishop-Freeman SC, Feaster MS, Beal J, Miller A, Hargrove RL, Brower JO, et al. Loperamide-related deaths in North Carolina. J-Anal-Toxicol 2016;40(8):677-686." -					
13068630	Propranolol	Propranolol					
	Hydrochloride;Loperamide;Citalopram;Quinine;Herbals\Mitragynine;Quinid						



ine	Product Used For Unknown Indication	Drug
Interaction;Toxicity To Various Agents;Accidental Overdose;Drug Abuse		
Serious Died	Not Specified	- 28-DEC-2016
Expedited	Not Specified	Not Specified Mylan Healthcare
Professional	Not Specified	- 15-DEC-2016 28-DEC-2016
US	Not Specified	US-
MYLANLABS-2016M1057167	"Bishop-Freeman SC, Feaster MS, Beal J, Miller A, Hargrove RL, Brower JO, et al. Loperamide-related deaths in North Carolina. J-Anal-Toxicol 2016;40(8):677-686."	-
13066348	Imodium Loperamide	
Hydrochloride;Quinidine;Herbals\Mitragynine	Product Used For Unknown Indication	Drug Interaction;Toxicity To Various Agents
Serious Died	Not Specified	- 27-DEC-2016
Expedited	33 YR	Not Specified Sandoz Healthcare
Professional	Not Specified	- 15-DEC-2016 27-DEC-2016
US	Not Specified	PHHY2016US175737 "Bishop-Freeman SC, Feaster MS, beal J, Miller A, Hargrove RL, Brower JO, et al. Loperamide-related deaths in North Carolina.. JOURNAL OF ANALYTICAL TOXICOLOGY. 2016;40(8):677-86"
13066343	Imodium Herbals\Mitragynine;Tramadol;Loperamide	
Hydrochloride	Product Used For Unknown Indication	Toxicity To Various Agents
Serious Died	Male	- 27-DEC-2016
Expedited	24 YR	Not Specified Sandoz Healthcare
Professional	Not Specified	- 15-DEC-2016 27-DEC-2016
US	Not Specified	PHHY2016US175730 "Bishop-Freeman SC, Feaster MS, beal J, Miller A, Hargrove RL, Brower JO, et al. Loperamide-related deaths in North Carolina.. JOURNAL OF ANALYTICAL TOXICOLOGY. 2016;40(8):677-86"
13066333	Propranolol;Imodium	Quinidine;Loperamide
Hydrochloride;Citalopram;Propranolol Hydrochloride;Herbals\Mitragynine	Product Used For Unknown Indication	Toxicity To Various Agents;Drug Interaction
Serious Died	Not Specified	- 27-DEC-2016
Expedited	37 YR	Not Specified Sandoz Healthcare
Professional	Not Specified	- 15-DEC-2016 27-DEC-2016
US	Not Specified	PHHY2016US175739 "Bishop-Freeman SC, Feaster MS, beal J, Miller A, Hargrove RL, Brower JO, et al. Loperamide-related deaths in North Carolina.. JOURNAL OF ANALYTICAL TOXICOLOGY. 2016;40(8):677-86"
13059371	- Herbals\Mitragynine;Loperamide	Product Used For Unknown Indication
Overdose;Toxicity To Various Agents	Drug Abuse;Drug Interaction;Accidental	
Serious Died	Not Specified	
- 23-DEC-2016	Expedited	Not Specified
Specified	Mylan Healthcare Professional	Not Specified
Tramadol	15-DEC-2016	23-DEC-2016 US
US-MYLANLABS-2016M1057231	"Bishop-Freeman SC, Feaster MS, Beal J, Miller A, Hargrove RL, Brower JO, et al. Loperamide-related deaths in North Carolina. J-Anal-Toxicol 2016;40(8):677-686."	-
12851019	-	
Quinidine;Quinine;Loperamide;Herbals\Mitragynine		Drug

Abuse;Product Used For Unknown Indication	Drug Abuse;Accidental Overdose;Drug Interaction	Serious Died	Not Specified	-
18-OCT-2016	Expedited	33 YR	Not Specified	
Johnson And Johnson	Healthcare Professional	Not Specified	-	
11-OCT-2016	17-OCT-2016	US	Not Specified	US-
JNJFOC-20161010814	"Bishop-Freeman SC, Feaster MS, Beal J, Miller A, Hargrove RL, Brower JO, et al. Loperamide-Related Deaths in North Carolina. Journal of Analytical Toxicology 2016;40/8:677-686." -			
12850992	Propranolol	Propranolol Hydrochloride;Cannabis Sativa Subsp. Indica		
Top;Citalopram;Quinine;Loperamide;Herbals\Mitragynine	Drug Abuse;Product Use Issue;Product Used For Unknown Indication	Drug Abuse;Drug Interaction;Accidental Overdose	Serious Died	Not Specified
-	17-OCT-2016	Expedited	37 YR	Not Specified
Johnson And Johnson	Healthcare Professional	Not Specified	-	
-	11-OCT-2016	17-OCT-2016	US	Not Specified
US-JNJFOC-20161010815	"Bishop-Freeman SC, Feaster MS, Beal J, Miller A, Hargrove RL, Brower JO, et al. Loperamide-Related Deaths in North Carolina. Journal of Analytical Toxicology 2016;40(8):677-686." -			
12850962	-	Herbals\Mitragynine;Tramadol;Loperamide	Drug Abuse;Product Used For Unknown Indication	Drug Interaction;Drug Abuse;Accidental Overdose;Cardiomegaly
17-OCT-2016	Expedited	24 YR	Not Specified	Male -
Johnson And Johnson	Healthcare Professional	Not Specified	-	
11-OCT-2016	17-OCT-2016	US	Not Specified	US-
JNJFOC-20161010807	"Bishop-Freeman SC, Feaster MS, Beal J, Miller A, Hargrove RL, Brower JO, et al. Loperamide-Related Deaths in North Carolina. Journal of Analytical Toxicology 2016;40/8:677-686." -			
12639594	Fluoxetine;Trazodone	Trazodone Hydrochloride;Cannabis Sativa Subsp. Indica		
Top;Morphine;Gabapentin;Fluoxetine Hydrochloride;Herbals\Mitragynine	-	Cough;Arteriosclerosis Coronary Artery;Nephrosclerosis;Pulmonary Infarction;Hepatic Steatosis;Deep Vein Thrombosis;Pneumonia;Pulmonary Embolism;Unresponsive To Stimuli;Toxicity To Various Agents;Dilated Cardiomyopathy		
Serious Died	Male	16-JUN-2015	09-AUG-2016	Direct 43 YR
Not Specified	-	Healthcare Professional	Health Professional	
Professional	-	09-AUG-2016	Not Specified	Not Specified
Specified	-	-	-	
12639579	Methadone	Methadone Hydrochloride;Herbals\Mitragynine;Alprazolam	-	Accidental Death;Toxicity To Various Agents;Respiratory Arrest;Unresponsive To Stimuli;Scar;Puncture Site Reaction
MAR-2015	09-AUG-2016	Direct	22 YR	Not Specified -
	Healthcare Professional	Health Professional	-	-
	09-AUG-2016	Not Specified	Not Specified	- -
-				
12639556	Zolpidem	Zolpidem Tartrate;Herbals\Mitragynine;Alcohol;Quetiapine	-	

Haemorrhage;Toxicity To Various Agents;Completed						
Suicide;Asphyxia;Wound;Fracture	Serious	Died	Male	14-SEP-2015		
09-AUG-2016	Direct	19 YR	Not Specified	-		
Healthcare Professional	Health Professional	-	-	09-		
AUG-2016	Not Specified	Not Specified	-	-		
12639421	-					
Clonazepam;Herbals\Mitragynine;Alprazolam;Fentanyl				-	Oedema	
Peripheral;Left Ventricular Hypertrophy;Urinary Retention;Pulmonary Congestion;Toxicity To Various Agents;Respiratory Arrest;Accidental Death;Drug Screen Positive						
Serious	Died	Male	23-APR-2015			
09-AUG-2016	Direct	31 YR	Not Specified	-		
Healthcare Professional	Health Professional	-	-	09-		
AUG-2016	Not Specified	Not Specified	-	-		
12639365	Venlafaxine	Venlafaxine				
Hydrochloride;Alcohol;Diphenhydramine;Mirtazapine;Herbals\Mitragynine						
-	Unresponsive To Stimuli;Depression;Toxicity To Various Agents;Pulmonary Oedema;Fatigue;Urinary Retention;Accidental Death					
Serious	Died	Male	27-MAY-2014	09-AUG-2016	Direct	
24 YR	Not Specified	-	Healthcare Professional Not Specified			
09-AUG-2016	Not Specified	Not Specified	-	-		
12639332	-					
Morphine;Alcohol;Herbals\Mitragynine;Citalopram;Demoxepam;Alprazolam;Clordiazepoxide;Nordazepam						
Toxicity To Various Agents;Alcohol Poisoning;Accidental Death;Injury Associated With Device						
Serious	Died	Male	19-JUL-2015	09-AUG-2016	Direct	
23 YR	Not Specified	-	Healthcare Professional Not Specified			
09-AUG-2016	Not Specified	Not Specified	-	-		
12639316	-	Herbals\Mitragynine;Citalopram;Alcohol -				
Traumatic Lung Injury;Aortic Injury;Chest Injury;Alcoholism;Gun Shot Wound;Homicide;Suicidal Ideation						
Serious	Died	Male	27-MAR-2015	09-AUG-2016	Direct	55 YR
Not Specified	-	Healthcare Professional Not Specified				
-	-	09-AUG-2016	Not Specified	Not Specified		
-	-	-				
12639302	-	Herbals\Mitragynine;Carbamazepine -				
Pulmonary Congestion;Toxicity To Various Agents;Substance Abuse;Accidental Death;Blood Alcohol Increased;Pulmonary Oedema						
Serious	Died	Male	02-JUL-2015	09-AUG-2016	Direct	45 YR
Not Specified	-	Healthcare Professional Not Specified				
-	-	09-AUG-2016	Not Specified	Not Specified		
-	-	-				
12561455	Venlafaxine	Alcohol;Diphenhydramine;Venlafaxine				
Hydrochloride;Herbals\Mitragynine;Mirtazapine				-	Urinary Retention;Toxicity To Various Agents;Drug Interaction;Pulmonary Oedema;Unresponsive To Stimuli;Vomiting;Pulmonary Congestion	
Serious	Died	Male	MAR-2015	15-JUL-2016	Expedited	
24 YR	Not Specified	Osmotica	Healthcare Professional			
Not Specified	Not Specified	Loperamide;Omeprazole	30-JUN-2016			

15-JUL-2016	US	Not Specified	US-
OSMOTICA_PHARMACEUTICAL_US_LLC-POI0573201600030	-	-	-
11771645	-	Buprenorphine;Herbals\Mitragynine	
Product Used For Unknown Indication		Wrong Product	
Administered;Drug Screen Negative		Serious Other Outcomes	Male
26-OCT-2015	23-NOV-2015	Direct	42 YR 153 LB -
Consumer	Consumer		
Hydrocodone;Gabapentin;Propranolol	-	23-NOV-2015	Not
Specified Y	-	-	-
11157587	-	Venlafaxine	
Hydrochloride;Mirtazapine;Diphenhydramine;Herbals\Mitragynine;Alcohol			
Antidepressant Therapy	Accidental Death;Pulmonary		
Congestion;Vomiting;Blood Ethanol Increased;Pulmonary Oedema;Urinary			
Retention;Unresponsive To Stimuli;Toxicity To Various Agents			
Serious Died Male	-	01-JUN-2015	Expedited 24 YR
Not Specified	Sanofi	Healthcare Professional	"Health
Professional ,Literature"	-	20-MAY-2015	01-JUN-2015
Not Specified	Not Specified	2015SA070635	-
10948046	-	Paroxetine;Herbals\Mitragynine;Lamotrigine	
-		Pulmonary Infarction;Hypoxic-Ischaemic	
Encephalopathy;Toxicity To Various Agents;Brain Death;Pulmonary			
Embolism;Thrombosis;Brain Stem Haemorrhage		Serious Other	
Outcomes;Died Not Specified	-	24-MAR-2015	Expedited
Not Specified	Not Specified	Cipla	Healthcare
Professional	Not Specified	-	13-MAR-2015 24-MAR-2015
US	Not Specified	US-CIPLA LTD.-2015US02218	"Mowry
J.B., Spyker D.A., Cantilena L.R., Mcmillan N, Ford M.		2013Annual	
Report of the American Association of Poison Control Centers		National	
Poison Data System (NPDS): 31st Annual Report. Clinical Toxicology.			
2014;52:1032-1283"	-		
10861525	Venlafaxine	Diphenhydramine	
Hydrochloride;Venlafaxine			
Hydrochloride;Mirtazapine;Omeprazole;Herbals\Mitragynine;Alcohol			
Product Used For Unknown Indication		Pulmonary	
Oedema;Toxicity To Various Agents;Urinary Retention		Serious Died	
Male	-	03-MAR-2015	Expedited 24 YR Not
Specified	Mcneil	Healthcare Professional	Not Specified
Loperamide	26-FEB-2015	24-FEB-2015	US Not Specified
US-JNJFOC-20150213670		"McIntyre IM, Trochta A, Stolberg S,	
Campman SC. Mitragynine kratom related fatality: a case report with		postmortem concentrations. Journal of Analytical Toxicology	
2015;39(2):152-155."	-		
10884035	-	Herbals\Mitragynine;Paroxetine;Lamotrigine	
Product Used For Unknown Indication		Brain Injury;Oxygen	
Saturation Decreased;Pulmonary Infarction;Poisoning;International			
Normalised Ratio Increased;Apnoea;Cardiac Arrest;Brain Death;Drug			
Abuse;Tachycardia;Fall;Venous Thrombosis;Generalised Tonic-Clonic			
Seizure;Toxicity To Various Agents;Brain Stem Haemorrhage;Hypoxic-			
Ischaemic Encephalopathy;Unresponsive To Stimuli;Mydriasis;Brain			
Oedema;Pulmonary Embolism		Serious Died Male	2013 26-

FEB-2015	Expedited	36 YR	Not Specified	Arbor
Pharmaceuticals	Healthcare Professional	"Health		
Professional ,Literature"	-	09-FEB-2015	26-FEB-2015	
Not Specified	Not Specified	ABR_02013_2015	-	-
10867680	Venlafaxine Hcl	Venlafaxine		
Hydrochloride;	Mirtazapine;	Herbals\Mitragynine;	Diphenhydramine	-
Pulmonary Congestion;	Accidental Overdose;	Toxicity To Various		
Agents	Serious Hospitalized;	Died	Male	-
Expedited	24 YR	Not Specified	Pfizer	Healthcare
Professional	Not Specified	Omeprazole	18-FEB-2015	25-
FEB-2015	US	Not Specified	US-PFIZER INC-2015064762	
"McIntyre I M.. Mitragynine ""Kratom' Related Fatality: A Case Report with Postmortem Concentrations. Journal of Analytical Toxicology. 2015;39 (2):152-155"				
10712257	-	Herbals\Mitragynine;	Paroxetine;	Lamotrigine
Product Used For	Unknown Indication	Drug		
Abuse;Death;	Cardio-Respiratory Arrest;	Tachycardia;	Generalised Tonic-	
Clonic Seizure;	Pulmonary Embolism;	Hypoxic-Ischaemic		
Encephalopathy;	Brain Stem Haemorrhage;	Pulmonary Infarction;	Brain	
Injury	Serious Died;	Hospitalized;	Other Outcomes	Male
11-FEB-2015	Expedited	36 YR	Not Specified	Par
Healthcare Professional	Not Specified	-	02-FEB-2015	
14-JAN-2015	US	Not Specified	"US-PAR	
PHARMACEUTICAL, INC-2015SCPR009593" "Mowry J.B., Spyker D.A., Cantilena JR L.R., Mcmillan N., Ford M.. 2013 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 31st Annual Report. Clinical Toxicology. 2014;52 (10):1032-1283"				
10733773	-	Lamotrigine;	Paroxetine	
Hydrochloride;	Herbals\Mitragynine	Product Used For	Unknown	
Indication	Brain Oedema;	Pulmonary Embolism;	Brain Stem	
Haemorrhage;	Cardiac Arrest;	Hypoxic-Ischaemic		
Encephalopathy;	Thrombosis;	Tachycardia;	Apnoeic Attack;	Generalised
Tonic-Clonic Seizure;	Drug Abuse;	Brain Injury;	Pulse Absent	
Serious	Other Outcomes;	Hospitalized;	Died	Male
05-FEB-2015	Expedited	36 YR	Not Specified	Apotex
Healthcare Professional	Not Specified	-	21-JAN-2015	23-
JAN-2015	US	Not Specified	US-APOTEX-2015AP005445	"Mowry
JB; Spyker DA, Cantilena Jr. LR, McMillan N, Ford M. 2013 Annual Report of the American Association of Poison Control Centers í National Poison Data System (NPDS):31st Annual Report. CLINICAL TOXICOLOGY. 2014;52:1032-1283"				
10708286	-	Diphenhydramine		
Hydrochloride;	Herbals\Mitragynine	Back Pain;	Drug Abuse	
Toxicity To Various Agents;	Bladder Dilatation;	Vomiting;	Drug Level	
Increased;	Pulmonary Oedema;	Pulmonary Congestion	Serious Other	
Outcomes;	Died	Male	-	13-JAN-2015
Expedited	17 YR			
Not Specified	Bayer	Healthcare Professional	Not Specified	
Dextromethorphan;	Clonazepam;	Temazepam	05-JAN-2015	13-
JAN-2015	US	Not Specified	US-	

BAYER-2015-000978 "Neerman, M.F., Frost, R.E., Deking, J.. A  
 Drug Fatality Involving Kratom. Journal of forensic sciences. 2013;58  
 (S1):S278-S279" -  
 10698706 Venlafaxine Venlafaxine  
 Hydrochloride;Mirtazapine;Alcohol;Diphenhydramine  
 Hydrochloride;Herbals\Mitragynine Depression Pulmonary  
 Oedema;Toxicity To Various Agents;Vomiting;Feeling Cold;Unresponsive  
 To Stimuli;Urinary Retention;Pulmonary Congestion Serious Other  
 Outcomes;Died Male - 09-JAN-2015 Expedited 24 YR  
 Not Specified Bayer Healthcare Professional Not Specified  
 Omeprazole 08-JAN-2015 08-JAN-2015 US Not  
 Specified US-BAYER-2014-191469 "McIntyre IM, Trochta A,  
 Stolberg S, Campman SC. Mitragynine 'Kratom' Related Fatality: A Case  
 Report with Postmortem Concentrations. Journal of Analytical  
 Toxicology. 2014;0:1-4" -  
 9823195 Oxycontin;Dilaudid Herbals\Mitragynine;Hydromorphone  
 Hydrochloride;Oxycodone Hydrochloride Pain Substance Abuse;Drug  
 Withdrawal Syndrome Serious Other Outcomes Male - 16-  
 JAN-2014 Expedited 43 YR Not Specified Purdue  
 Consumer Not Specified - 30-SEP-2013 16-JAN-2014  
 US Not Specified US-NAPPMUNDI-USA-2013-0107060 -  
 -  
 8132531 - Tramadol Hydrochloride;Cannabis Sativa  
 Seed\Herbals;Alprazolam;Herbals\Mitragynine;Citalopram Hydrobromide  
 Toxicity To Various Agents Pulmonary Oedema;Respiratory  
 Depression;Overdose;Toxicity To Various Agents;Drug Level  
 Increased;Brain Oedema Serious Died;Hospitalized Male -  
 25-AUG-2011 Expedited 32 YR Not Specified  
 Actavis Elizabeth Healthcare Professional "Health  
 Professional ,Literature,Foreign" - 09-AUG-2011 25-  
 AUG-2011 Not Specified Not Specified 2011MA011582 -  
 -  
 8124494 - Tramadol  
 Hydrochloride;Alprazolam;Herbals\Mitragynine;Alcohol Toxicity To  
 Various Agents Toxicity To Various Agents;Pulmonary Congestion  
 Serious Other Outcomes;Died Male - 25-AUG-2011  
 Expedited 22 YR Not Specified Actavis Elizabeth  
 Healthcare Professional "Health Professional ,Literature,Foreign"  
 - 09-AUG-2011 25-AUG-2011 Not Specified Not  
 Specified 2011MA011579 - -  
 8124388 - Herbals\Mitragynine;Cannabis Sativa  
 Seed\Herbals;Tramadol Hydrochloride;Amphetamine;Alprazolam  
 Accidental Overdose Toxicity To Various Agents Serious  
 Died;Other Outcomes Male - 25-AUG-2011 Expedited  
 24 YR Not Specified Actavis Elizabeth Healthcare  
 Professional "Health Professional ,Literature,Foreign" -  
 09-AUG-2011 25-AUG-2011 Not Specified Not Specified  
 2011MA011581 - -  
 8121566 - Unspecified Ingredient;Venlafaxine  
 Hydrochloride;Trimeprazine Tartrate;Tramadol

Hydrochloride;Herbals\Mitragynine	09-AUG-2011	24-AUG-2011	2011MA011586	Not Specified	Not Specified	Not Specified	Not Specified
Toxicity To Various Agents Pulmonary Congestion;Toxicity To Various Agents;Pulmonary Oedema Serious Other Outcomes;Died Male - 24-AUG-2011 Expedited 35 YR Not Specified Actavis Totowa Healthcare Professional "Health Professional ,Literature,Foreign" - 09-AUG-2011 24-AUG-2011 Not Specified Not							
8121559 - Zopiclone;Herbals\Mitragynine;Venlafaxine							
Hydrochloride;Unspecified Ingredient;Tramadol Toxicity To Various Agents Respiratory Depression;Cardiac Arrest;Loss Of Consciousness;Accidental Overdose;Toxicity To Various Agents;Pulmonary Congestion Serious Life Threatening;Hospitalized;Died Female - 24-AUG-2011 Expedited 25 YR Not Specified Actavis Totowa Healthcare Professional "Health Professional ,Literature,Foreign" - 09-AUG-2011 24- AUG-2011 Not Specified Not Specified 2011MA011587 -							
8121551 - Olanzapine;Diazepam;Nordazepam;Amphetamine;Tramadol							
Hydrochloride;Antipyrine;Fluoxetine Hydrochloride;Pregabalin;Norfluoxetine;Herbals\Mitragynine Toxicity To Various Agents Cardiac Arrest;Hepatic Steatosis;Pulmonary Congestion;Toxicity To Various Agents;Loss Of Consciousness Serious Died;Other Outcomes Female - 24- AUG-2011 Expedited 30 YR Not Specified Actavis Elizabeth Healthcare Professional "Health Professional ,Literature,Foreign" - 09-AUG-2011 24- AUG-2011 Not Specified Not Specified 2011MA011583 -							
8121536 Venlafaxine Tramadol Hydrochloride;Venlafaxine							
Hydrochloride;Diazepam;Mirtazapine;Nordazepam;Buprenorphine;Herbals\Mi tragynine;Trimeprazine Tartrate Toxicity To Various Agents Cardiac Arrest;Brain Oedema;Toxicity To Various Agents;Loss Of Consciousness;Pulmonary Oedema Serious Died;Other Outcomes Male - 24-AUG-2011 Expedited 27 YR Not Specified Actavis Elizabeth Healthcare Professional "Health Professional ,Literature,Foreign" - 09-AUG-2011 24- AUG-2011 Not Specified Not Specified 2011MA011584 -							
8083892 Venlafaxine Venlafaxine							
Hydrochloride;Buprenorphine;Herbals\Mitragynine;Diazepam;Tramadol Hydrochloride;Trimeprazine Tartrate;Mirtazapine Product Used For Unknown Indication Pulmonary Oedema;Brain Oedema;Accidental Death;Overdose Serious Died Male - 02-AUG-2011 Expedited 27 YR Not Specified Schering Plough Healthcare Professional "Health Professional ,Literature,Foreign" - 27-JUL-2011 02-AUG-2011 Not Specified Not Specified 2011SP035503 - -							
7900650 Promethazine Herbals\Mitragynine;Promethazine							
Hydrochloride;Propylhexedrine;Acetaminophen;Morphine Hydrochloride - Toxicity To Various Agents;Drug Screen Positive							

Serious Died;Other Outcomes	Male	-	15-APR-2011
Expedited	20 YR	Not Specified	Roxane Healthcare
Professional	Health Professional	-	08-APR-2011 15-
APR-2011	US	Not Specified	"US-ROXANE LABORATORIES,
INC.-2011-R0-00495R0"	-	-	
6959961 -	Hydromorphone		
Hydrochloride;Modafinil;Herbals\Mitragynine	Dependence;Drug		
Withdrawal Syndrome;Hypervigilance;Pain;Thoracic Outlet Syndrome			
Drug Withdrawal Syndrome;Drug Abuse;Stress;Generalised Tonic-			
Clonic Seizure;Incorrect Route Of Product Administration;Drug			
Tolerance Increased	Serious Hospitalized;Other Outcomes	Male	
-	03-APR-2009	Expedited	43 YR Not Specified
Roxane Healthcare	Professional	Health Professional	
Buprenorphine\Naloxone	30-MAR-2009	03-APR-2009	US Not
Specified	"US-ROXANE LABORATORIES, INC.-2009-R0-00301R0"	-	
-			
6669537 -	Modafinil;Herbals\Mitragynine	Drug Withdrawal	
Syndrome;Somnolence	Somnolence;Heart Rate Increased;Drug		
Withdrawal Syndrome;Miosis;Generalised Tonic-Clonic Seizure			
Serious Hospitalized	Male	-	03-JUN-2008 Expedited
43 YR	Not Specified	Cephalon	Healthcare
Professional	"Health Professional ,Literature"	-	21-
MAY-2008	03-JUN-2008	Not Specified	Not Specified
US023600	-	-	