DIKB

Integrated resource about drug to drug interaction

For Help
Contact Us

Drug Interaction Knowledge Base (DIKB) is an evidence-focused knowledge base designed to support pharmacoepidemiology and clinical decision support. It contains quantitative and qualitative assertions about drug mechanisms and pharmacokinetic drug-drug interactions for over 60 drugs.

type in a drug name(brand name, generic name), drug ID or drug class

Add

Examples: amoxicillin, ibuprofen, etc

how it works

Patient-Relevant

20 most common dieases

Clinically-Relevant

The University of Pittsburgh Linked Structured Product Label repository.

The University of Pittsburgh Pharmacokinetic Drug-drug Interaction (PK DDI) Package Insert Corpus

The DIKB evidence taxonomy within the NCBO Annotator

Recent Publications from the DIKB Project

Summary of the DIKB project

Modeling Arguments in Scientific Papers

The inclusion criteria for evidence entered into the DIKB and other information

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ab

Add

how it works

- Abilify (aripiprazole)
- Abraxane (paclitaxel protein-bound)
- Abreva (docosanol topical)
- Abilify Maintena (aripiprazole)
- Absorica (isotretinoin)
- Abstral (fentanyl)
- Abelcet (amphotericin b lipid complex)
- Abilify Discmelt (aripiprazole)
- Abbokinase (urokinase)
- ABC Plus Senior (multivitamin with minerals)

Patient-Relevan

20 most common dieases

Clinically-Releva

The University of Pittsburgh ry.

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Professionals

type in a drug name(brand name, generic name) or drug ID

Add

Abilify aripiprazole

Remove All

Overview | Interactions | Create a Report

All Interactions | Major Interactions | Moderate Interactions | Minor Interactions

Generic Only Brand Only

Currently displaying 916 drugs known to interact with Abilify (aripiprazole)

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

- A-Cof DH (guaifenesin / hydrocodone)
- A-G Tussin (chlorpheniramine / hydrocodone / pseudoephedrine)
- A-Phedrin (pseudoephedrine / triprolidine)
- A-Spas S / L (hyoscyamine)
- A-Spaz (hyoscyamine)
- A-Tan 12X (guaifenesin / phenylephrine / pyrilamine)
- Abatuss DMX (dexchlorpheniramine / dextromethorphan / pseudoephedrine)
- abiraterone
- Abstral (fentanyl)
- Allergy Multi-Symptom (acetaminophen / chlorpheniramine / phenylephrine)
- Allergy Pain Relief (acetaminophen / chlorpheniramine / phenylephrine)
- Allergy Relief (chlorpheniramine)
- Allergy Relief D (cetirizine / pseudoephedrine)
- Allergy Sinus Maximum Strength (acetaminophen / chlorpheniramine / pseudoephedrine)
- Allergy Sinus PE Pain Relief (acetaminophen / chlorpheniramine / phenylephrine)
- Allergy Time (chlorpheniramine)
- Allerhist-1 (clemastine)

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type in a drug name(brand name, generic name) or drug ID

Add

Abilify aripiprazole

Clopine clozapine

Remove All

Overview | Interactions | Create a Report

All Interactions | Major Interactions | Moderate Interactions | Minor Interactions

Generic Only | Brand Only

Currently displaying 20 drugs known to interact with Abilify(aripiprazole)& Clopine(clozapine)

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

- clonazepam
- clonazepam
- gabapentin
- gabapentin
- levothyroxine
- levothyroxine
- lisinopril
- lisinopril
- Lyrica (pregabalin)
- metformin
- metformin
- omeprazole
- omeprazole
- tramadol
- tramadol
- trazodone
- trazodone
- Vitamin D3 (cholecalciferol)
- Vitamin D3 (cholecalciferol)

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type in a drug name(brand name, generic name) or drug ID

Add

Abilify aripiprazole

Clopine clozapine

Remove All

Overview | Interactions | Create a Report

clonazepam ↔ aripiprazole

MODERATE

Applies to:clonazepam and Abilify (aripiprazole)

Using clonazepam together with aripiprazole may increase side effects such as dizziness, drowsiness, and difficulty concentrating. Some people may also experience some impairment in thinking and judgment. You should avoid or limit the use of alcohol while being treated with these medications. Avoid driving or operating hazardous machinery until you know how the medications affect you. It is important to tell your doctor about all other medications you use, including vitamins and herbs. Do not stop using any medications without first talking to your doctor.

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type in a drug name(brand name, generic name), drug ID or drug class | Add

Abilify aripiprazole ✖

Clopine clozapine ✖

Remove All

Overview | Interactions | Create a Report

Select the interactions to include the report

Print

- [x] Caffeine
- [ ] Ethanol/Alcohol
- [ ] Tobacco
- [ ] Beverage
- [ ] Food

create a report

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type in a drug name(brand name, generic name), drug ID or drug class | Add

Abilify	aripiprazole	✖
Clopine	clozapine	✖

Remove All

Overview | Interactions | Create a Report

Select the interactions to include the report

Print

- [x] Caffeine
- [ ] Ethanol/Alcohol
- [ ] Tobacco
- [ ] Beverage
- [ ] Food

create a report

Drug interactions report for the following medications:

Abilify | Clopine

Drug to Drug Interactions

No clinically significant drug-drug interactions are expected.

Drug-Caffeine interactions are found

Caffeine (Enerjets® | Top Care Stay Awake Maximum Strength | Stay Awake® | Awake | .44 Magnum™ | Molie® | Overtime® | Stay Awake | 357 HR Magnum® | Cafcit® |Alert® | Fastlene® | Waykup®)

While taking Caffeine products, limit the use of foods, beverages, herbs and other medicines that contain additional caffeine, like coffee, teas, colas, chocolate and some diet pills. Grapefruit juice or grapefruit may also increase the effects of Caffeine.

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type in a drug name(brand name, generic name) or drug ID

Add

Metabolism

Remove All

Overview | Assertions | Dataset | Create a Report for Patients

All Assertions | Major Assertions | Moderate Assertions | Minor Assertions

- 1-methylxanthine has metabolite 1-methyluric-acid
- 14-hydroxyclarithromycin maximum concentration continuous value

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Add

Metabolism

Methylxanthine

Remove All

Overview | Assertions | Dataset | Create a Report for Patients

Evidence 1:

Evidence Type: Non_traceable_Drug_Label_Statement

Quote: Metabolism Following oral dosing, theophylline does not undergo any measurable first-pass elimination. In adults and children beyond one year of age, approximately 90%of the dose is metabolized in the liver. Biotransformation takes place through demethylation to 1-ı Methylxanthine d 3-Methylxanthineand hydroxylation to 1,3-dimethyluric acid. 1-ı Methylxanthine further hydroxylated, by xanthine oxidase, to 1-methyluric acid. About 6%of a theophyllıne dose is N-methylated to caffeine. Theophylline demethylation to 3-methylxanthine is catalyzed by cytochrome P-450 1A2, while cytochromes P-450 2E1 and P-450 3A3 catalyze the hydroxylation to 1,3-dimethyluric acid. Demethylation to 1-methylxanthine appears to be catalyzed either by cytochrome P-450 1A2 or a closely related cytochrome. In neonates, the N-demethylation pathway is absent while the function of the hydroxylation pathway is markedly deficient. The activity of these pathways slowly increases to maximal levels by one year of age.

Pointer: heophylline-3M-082006

Reviewer: Boycer

- Assertion 1
  - Evidence 1.1
  - Evidence 1.2
- Assertion 2
  - Evidence 2.1

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type in a drug name(brand name, generic name) or drug ID Add

Metabolism ✖
Methylxanthine ✖
Remove All

Overview | Assertions | Dataset | Create a Report for Patients

Metabolism
Methylxanthine

	Credible Meds	NDF-RT	ONC High Priority	ONC Non-interruptive	OSCAR	DDI Corpus 2011	DDI Corpus 2013	PK DDI Corpus	NLM DDI Corpus	KEGG	TWO-SIDES	Drug-Bank	DIKB	Sem MedDB
confidence value											x			
description	x					x	x		x			x	x	
clinical effect	x				x			x			x*			
citation of evidence					x			x					x*	x
management options	x													
mechanism	x									x*		x‖	x*	
precipitant/object distinction**	x*		x	x	x			x					x*	
related drugs														
				x	x					x‡				