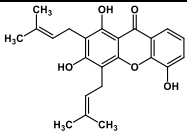
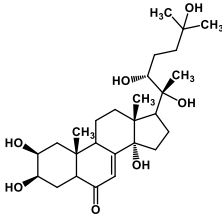
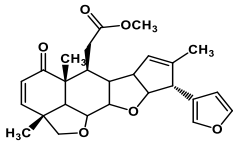
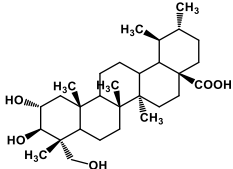
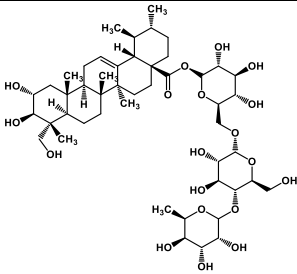
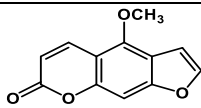
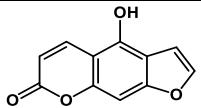
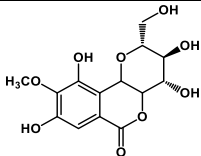
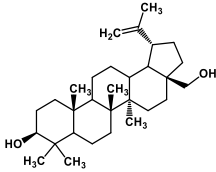
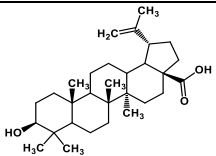
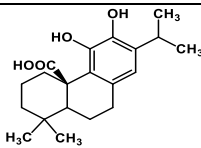
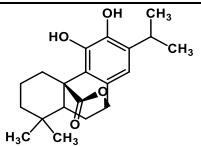
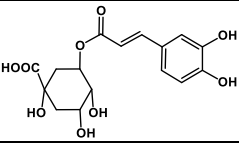
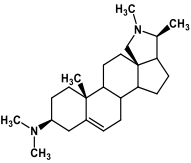
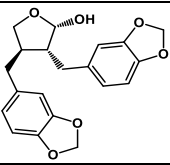
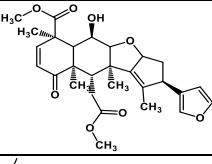
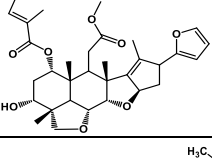
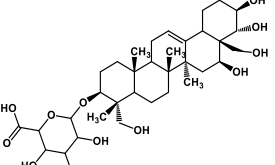
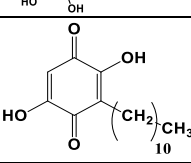
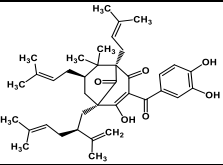
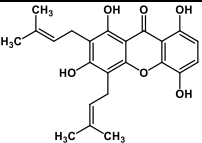


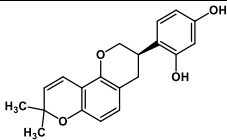
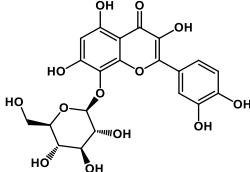
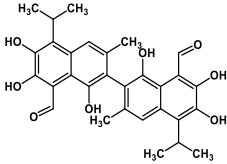
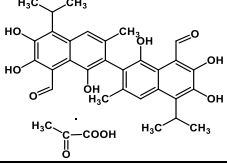
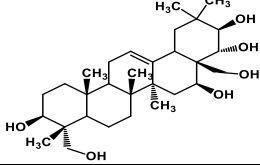
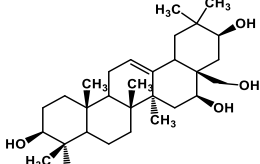
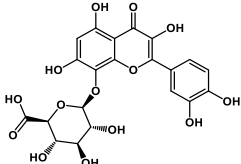
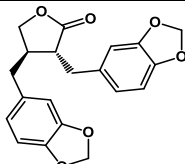
LIST OF PHYTOCHEMICALS WITH STRUCTURE AND ACTIVITY_XENON BIOSCIENCES

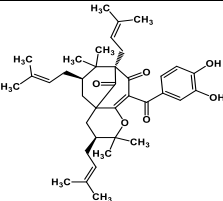
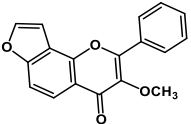
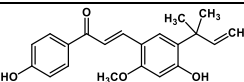
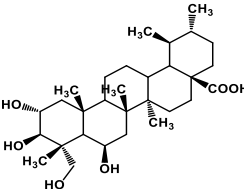
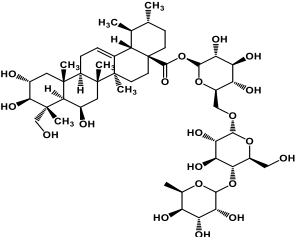
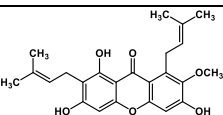
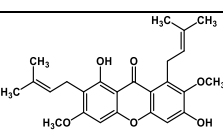
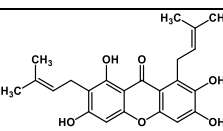
UNDER PROCESSING

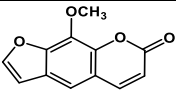
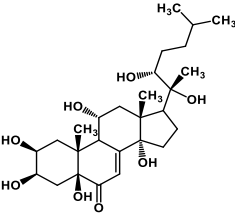
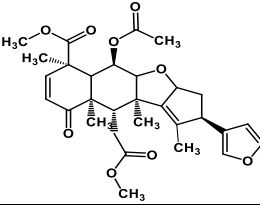
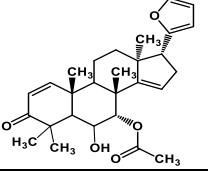
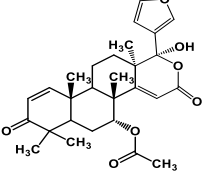
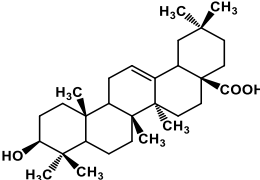
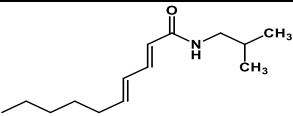
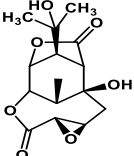
S. No	Name of the Phytochemical	Source/Host	Chemical Structure	CAS No.	Qty Available	CoA and Spectral Data	Functional Activity
1	8-Deoxygartanin	Garcinia mangostana		33390-41-9	grams	Under Processing	Parasite inhibitor Anti plasmodial activity Inhibitor of Butyrylcholinesterase (BChE)
2	20-Hydroxy ecdysone	Ipomoea hederacea		5289-74-7	grams	Under Processing	Gene expression
3	28-Deoxonimbolide	Azadirachta indica		126005-94-5	grams	Under Processing	Anti-cancer
4	Asiatic acid	Centella asiatica		464-92-6	grams	Under Processing	Apoptosis inducer Wound healing Neuroprotective Anti-inflammatory

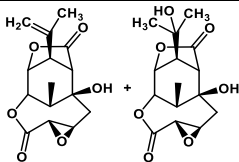
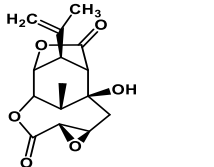
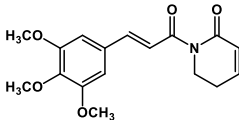
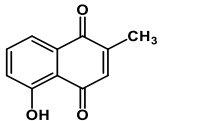
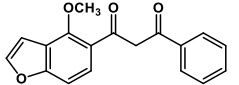
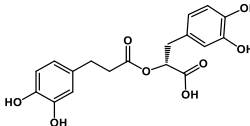
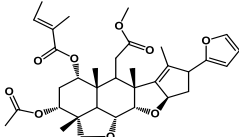
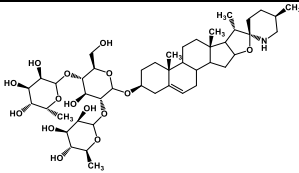
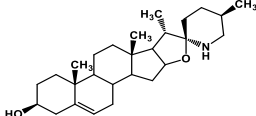
5	Asiaticoside	Centella asiatica		16830-15-2	grams	Under Processing	Anti-oxidant Anti-inflammatory Anti-ulcer Wound healing Neuroprotective
6	Bergapten (5-Methoxypsoralen)	Ammi majus		484-20-8	grams	Under Processing	Potent Anti-inflammatory Anti-tumor
7	Bergaptol (5-Hydroxypsoralen)	Ammi majus		486-60-2	grams	Under Processing	Anti-proliferative and Anti-cancer Anti-inflammatory Anti-atherogenic Cytochrome P450 inhibitor
8	Bergenin	Bergenia ligulata		477-90-7	grams	Under Processing	hepatoprotective, antiinflammatory, immunomodulatory, antitumor, antiviral, and antifungal
9	Betulin	Betula alba		473-98-3	grams	Under Processing	Anti-cancer, Anti-acne
10	Betulinic acid	Betula alba		472-15-1	grams	Under Processing	Anti-viral, Anti-inflammatory, Anti-tumor
11	Carnosic acid	Rosmarinus officinalis		3650-09-7	grams	Under Processing	Neuroprotective Anti-inflammatory Anti-cancer
12	Carnosol	Rosmarinus officinalis		5957-80-2	grams	Under Processing	Anti-oxidant Anti-inflammatory Anti-cancer

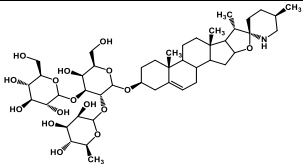
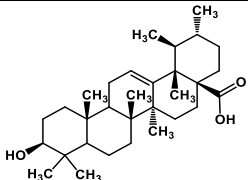
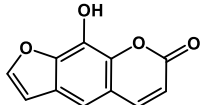
13	Chlorogenic acid	Coffee robusta		327-97-9	grams	Under Processing	Bcr-Abl inhibitor, Anti-diabetic, Anti-obesity
14	Conessine (Wrightine;Nervine;)	Holarrhena antidyssentrica		546-06-5	grams	Under Processing	Anti-histamine
15	Cubebin	Piper cubeb		18423-69-3	grams	Under Processing	Anti-histamine Anti-inflammatory
16	Deacetyl nimbin	Azadirachta indica		18609-16-0	grams	Under Processing	Insect regulator, Anti-diabetic
17	Deacetyl salannin	Azadirachta indica		1110-56-1	grams	Under Processing	Insect regulator, Anti-bacterial
18	Deacylgymnemic acid	121686-42-8		121686-42-8	grams	Under Processing	Anti-hyperglycemic, Anti-diabetic
19	Embelin	Embelia ribes		550-24-3	grams	Under Processing	Neuroprotective, Anti-cancer, Anti-oxidant
20	Garcinol	Garcinia indica		78824-30-3	grams	Under Processing	HAT inhibitor, Natural inhibitor of PCAF
21	Gartanin	Garcinia mangostana		33390-42-0	grams	Under Processing	Anti-cancer,

22	Glabridin	Glycyrrhiza glabra		59870-68-7	grams	Under Processing	Anti-inflammatory, Anti-aging, anti-oxidant, Neuroprotective
23	Gossypin	Hibiscus vitifolius		652-78-8	grams	Under Processing	Anti-inflammatory, Anti-arthritis, Hepatoprotective
24	Gossypol	Gossypium herbaceum		303-45-7	grams	Under Processing	Inhibitor of PKC Induces apoptosis
25	Gossypol acetic acid	Gossypium herbaceum		12542-36-8	grams	Under Processing	Bcl 2 inhibitor, Anti-cancer, Bowel diseases treatment
26	Gymnemagenin	22467-07-8		22467-07-8	grams	Under Processing	Anti-diabetic, anti-obesity, Anti-viral
27	Gymnestrogenin	19942-02-0		19942-02-0	grams	Under Processing	LXR antagonist, Anti-diabetic,
28	Hibifolin	Hibiscus vitifolius		55366-56-8	grams	Under Processing	ADA inhibitor, Neurodegenerative, Hepatoprotective
29	Hinokinin	Piper cubeb		26543-89-5	grams	Under Processing	HIV-I inhibitor, Anti-cancer

30	Isogarcinol	Garcinia indica		71117-97-0	grams	Under Processing	Immunosuppressant, Anti-leishmanicidal, ChE inhibitor, Anti-cancer
31	Karanjin	521-88-0		521-88-0	grams	Under Processing	Insecticidal, Acaricidal, Fungicidal, Neurodegenerative, Anti-oxidant, Anti-inflammatory
32	Licochalcone A	Glycyrrhiza glabra		58749-22-7	grams	Under Processing	Anti-tumor, Anti-parasitic, Anti-inflammatory
33	Madecassic acid	Centella asiatica		18449-41-7	grams	Under Processing	Anti-inflammatory, Immunomodulator,
34	Madecassoside	Centella asiatica		34540-22-2	grams	Under Processing	Anti-inflammatory, Anti-oxidant, Wound healing, Anti-aging,
35	Mangostin alpha	Garcinia mangostana		6147-11-1	grams	Under Processing	Anti-oxidant, Anti-allergic, Anti-viral, Anti-bacterial, Anti-inflammatory , Anti-cancer
36	Mangostin beta	Garcinia mangostana		20931-37-7	grams	Under Processing	Anti-bacterial, Anti-malarial, Anti-mycobacterial, Anti-malarial, Anti-cancer
37	Mangostin gama	Garcinia mangostana		31271-07-5	grams	Under Processing	Epoxidase 2 (COX-2) inhibitor, Transthyroxin protein (TTR) profibrosis inhibitor Anti-inflammatory, Anti-bacterial, Anti-oxidant, Anti-cancer

38	Methoxsalen	Ammi majus		298-81-7	grams	Under Processing	Inhibitor of cytochrome P450 Anti-psoriasis and eczema Skin cancer treatment
39	Muristerone A (Mur A)	Ipomoea hederacea		38778-30-2	grams	Under Processing	Gene expression Ecdysteroid receptor of agonist
40	Nimbin	Azadirachta indica		5945-86-8	grams	Under Processing	Anti-bacterial Anti-oxidant Anti-inflammatory Anti-cancer
41	Nimocinol (Nimonol)	Azadirachta indica		95260-96-1	grams	Under Processing	Anti-cancer, Anti-inflammatory
42	Nimolicinol	Azadirachta indica		89366-02-9	grams	Under Processing	Anti-viral
43	Oleanolic acid	Myroxylon balsamum		508-02-1	grams	Under Processing	Neurodegenerative Anti-tumor Hepatoprotective Anti-bacterial
44	Pellitorine	Piper longum		18836-52-7	grams	Under Processing	Anti cancer
45	Picrotin	Anamirta cocculus		21416-53-5	grams	Under Processing	Biomarker of Schistosoma mekongi. Influenza virus polymerase inhibitor Antagonist of GlyRs

46	Picrotoxin	Anamirta cocculus		124-87-8	grams	Under Processing	GABA receptor antagonist
47	Picrotoxinin	Anamirta cocculus		17617-45-7	grams	Under Processing	Convulsant GABA receptor antagonist
48	Piperlongumine	Piper longum		20069-09-4	grams	Under Processing	Anti-cancer, neurodegenerative
49	Plumbagin	Plumbago zeylanica		481-42-5	grams	Under Processing	Anti-cancer Anti-proliferative
50	Pongamol	Pongamia pinnata		484-33-3	grams	Under Processing	Neuroprotectant, Anti-oxidant, Anti-inflammatory, Anti-bacterial
51	Rosmarinic acid	Rosmarinus officinalis		20283-92-5	grams	Under Processing	Anti-depressant Anti-nephropathic
52	Salannin	Azadirachta indica		992-20-1	grams	Under Processing	Anti-cancer
53	Solamargine	Solanum nigrum		20311-51-7	grams	Under Processing	Anti-cancer
54	Solasodine	Solanum nigrum		126-17-0	grams	Under Processing	MDM2 inhibitor Anti-inflammatory Anti-proliferative Neuroprotective

55	Solasonine	Solanum nigrum		19121-58-5	grams	Under Processing	Ferroptosis inducer Anti-infectious Anti-cancer
56	Ursolic acid	Oscimum sanctum		77-52-1	grams	Under Processing	Anti-oxidant Anti-cancer Cancer preventive
57	Xanthotoxol (8-Hydroxypsoralen)	Ammi majus		2009-24-7	grams	Under Processing	Neurodegenerative, Anti-inflammatory, Anti-tumor