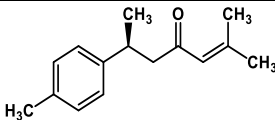
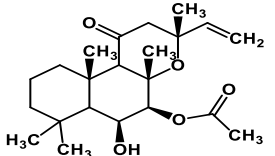
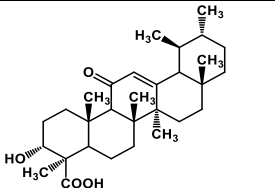
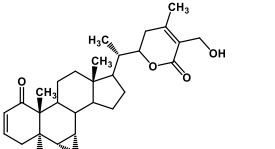
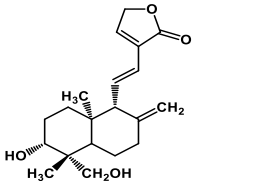
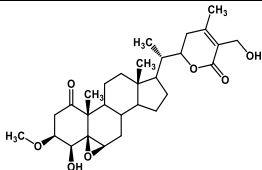
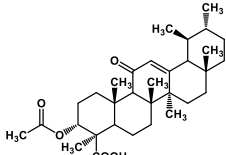
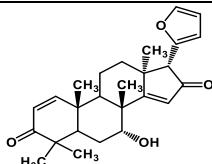
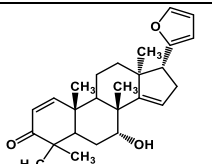
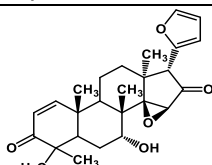
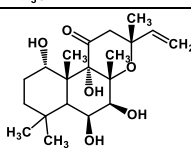
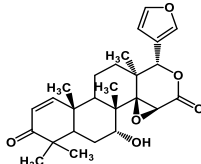
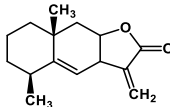
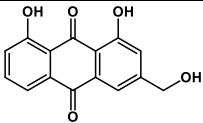
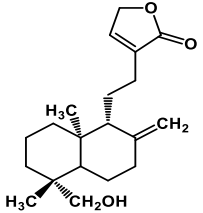
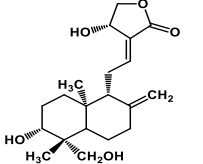
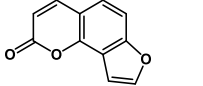
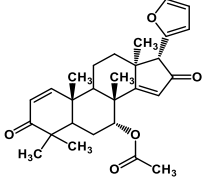
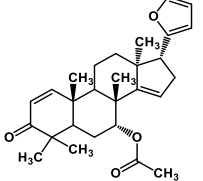
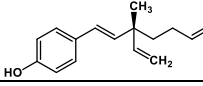
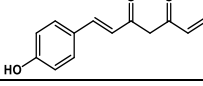
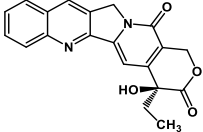


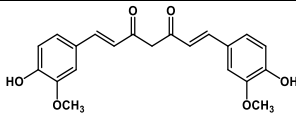
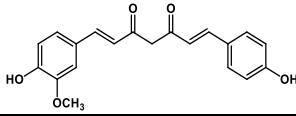
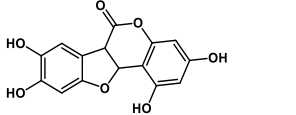
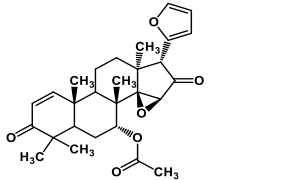
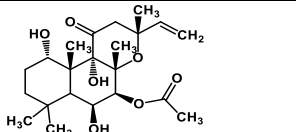
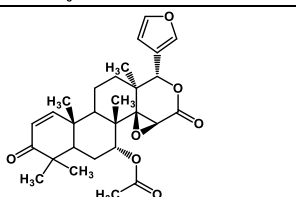
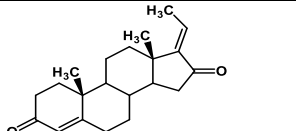
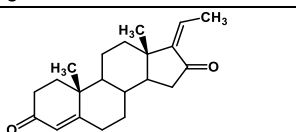
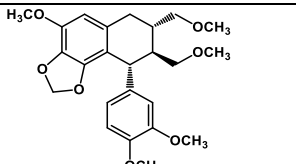
LIST OF PHYTOCHEMICALS WITH STRUCTURE AND ACTIVITY_XENON BIOSCIENCES

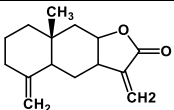
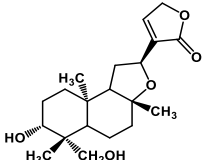
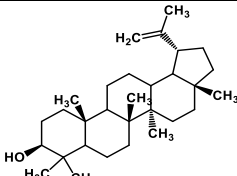
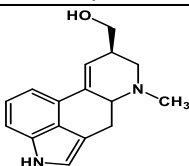
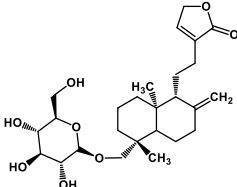
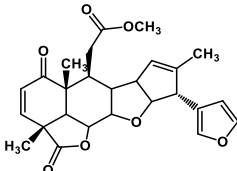
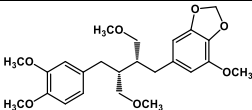
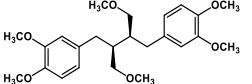
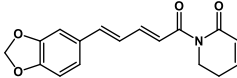
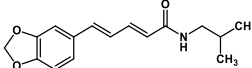
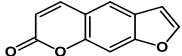
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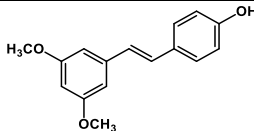
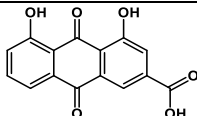
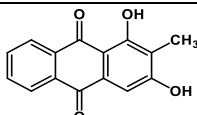
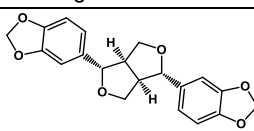
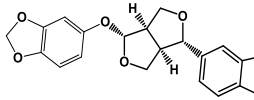
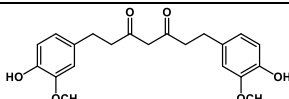
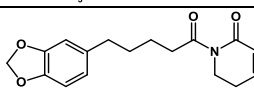
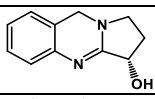
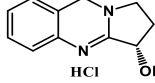
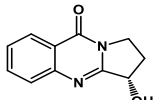
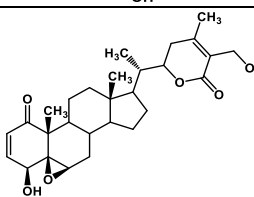
S. No	Name of the Phytochemical	Source/Host	Chemical Structure	CAS No.	Qty Available	CoA and Spectral Data	Functional Activity
1	(S)-(+)-Turmerone,Ar (Ar-Turmerone)	Curcuma longa		532-65-0	grams	Available	Anti-inflammatory, Anti-microbial, Anti-acne, Anti-aging
2	1,9-Dideoxyforskolin	Coleus forskohlii		64657-18-7	grams	Available	Negative control for forskolin, Ca+2 Channel blocker
3	11-Ketoβ boswellic acid (KBA)	Boswellia serrata		17019-92-0	grams	Available	Anti-inflammatory, Anti-cancer, COX-2 inhibitor
4	12-Deoxy withastramonolide (27-Hydroxywithanolide B)	Withania somnifera		60124-17-6	grams	Available	Neuro degenerative
5	14-Deoxy-11,12-didehydro andrographolide	Andrographis paniculata		42895-58-9	grams	Available	Hepatoprotective, Anti-viral

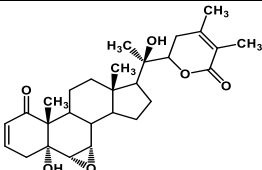
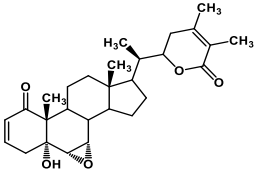
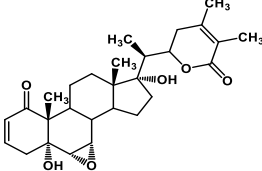
6	2,3-Dihydro-3-methoxywithaferin A	Withania somnifera		21902-96-5	grams	Available	Neurodegenerative
7	3-Acetyl-11-keto β boswellic acid(AKBA)	Boswellia serrata		67416-61-9	grams	Available	Anti-inflammatory, Anti-cancer, COX-2 inhibitor
8	7-Deacetylazadiradione	Azadirachta indica		NA	grams	Available	Neuro degenerative, Anti-inflammatory
9	7-Deacetylazadirone	Azadirachta indica		NA	grams	Available	Anti-cancer, Anti-inflammatory, Neurodegenerative
10	7-Deacetylepoxiazadiradione	Azadirachta indica		NA	grams	Available	Anti-cancer
11	7-Deacetylforskolin	Coleus forskohlii		64657-20-1	grams	Available	MAP kinase inhibitor, Anti-hepertsensive
12	7-Deacetylgedunin	Azadirachta indica		10314-90-6	grams	Available	Anti-cancer
13	Acetyl boswellic acid,(α + β)	Boswellia serrate		89913-60-0(a) 5968-70-7(b)	grams	Available	Anti-inflammatory
14	Alantolactone	Inula racemosa		546-43-0	grams	Available	Neuro degenerative, Anti-cancer, Anti-inflammatory

15	Aloe emodin	Aloe barbadensis		481-72-1	grams	Available	Anti-cancer, Anti-viral (HSV)
16	Andrograpanin	Andrographis paniculata		82209-74-3	grams	Available	Anti-inflammatory, Anti-infectious
17	Andrographolide	Andrographis paniculata		5508-58-7	grams	Available	Hepatoprotective, Anti-viral
18	Angelicin (Isopsoralen)	Psoralea corylifolia		523-50-2	grams	Available	Antimicrobial, Anti-fungal and Anti-cancer
19	Azadiradione	Azadirachta indica		26241-51-0	grams	Available	Neuro degenerative, Anti-inflammatory, Anti-cancer
20	Azadirone	Azadirachta indica		25279-67-8	grams	Available	Anti-cancer, Anti-inflammatory, Neurodegenerative
21	Bakuchiol	Psoralea corylifolia		10309-37-2	grams	Available	Anti-acne, Skin whitening
22	Bisdemethoxycurcumin	Curcuma longa		24939-16-0	grams	Available	Anti-oxidant, Anti-inflammatory
23	Boswellic acid, (α+β)	Boswellia serrate		471-66-9(a) 631-69-6(b)	grams	Available	Anti-inflammatory
24	Camptothecine	Mappia foetida		7689-03-4	grams	Available	Anti-cancer

25	Curcumin	Curcuma longa		458-37-7	grams	Available	Anti-oxidant, Anti-inflammatory
26	Demethoxycurcumin	Curcuma longa		22608-11-3	grams	Available	Anti-oxidant, Anti-inflammatory
27	Demethylwedelolactone	Eclipta alba		6468-55-9	grams	Available	Hepatoprotective, Anti-cancer
28	Epoxyazadiradione	Azadirachta indica		18385-59-6	grams	Available	Anti-cancer
29	Forskolin	Coleus forskohlii		66575-29-9	grams	Available	Skin conditioning, Anti-aging, Ca+2 Channel blocker
30	Gedunin	Azadirachta indica		2753-30-2	grams	Available	Anti-cancer, Neurodegenerative
31	Guggulsterone (E+Z)	Commiphora mukul		39025-24-6(E) 39025-23-5(Z)	grams	Available	Cholesterol lowering
32	Guggulsterone-E	Commiphora mukul		39025-24-6	grams	Available	Cholesterol lowering, Anti-cancer
33	Guggulsterone-Z	Commiphora mukul		39025-23-5	grams	Available	Cholesterol lowering
34	Hypophyllanthin	Phyllanthus amarus		33676-00-5	grams	Available	Hepatoprotective, Anti-inflammatory

35	Isoalantolactone	Inula racemosa		470-17-7	grams	Available	Neuro degenerative, Anti-inflammatory, Anti-cancer
36	Isoandrographolide	Andrographis paniculata		4176-96-9	grams	Available	NAFLD, Hepatoprotective, NASH, Anti-inflammatory
37	Lupeol (Clerodol;Fagarsterol)	Crataeva nurvala		545-47-1	grams	Available	Anti-cancer, Anti-HIV, Anti-inflammatory, Anti-acne
38	Lysergol	Ipomoea hederacea		602-85-7	grams	Available	Serotonin receptor activity
39	Neoandrographolide (Andrographolide, Neo)	Andrographis paniculata		27215-14-1	grams	Available	NAFLD, Hepatoprotective, NASH, Anti-inflammatory, Anti-viral
40	Nimbolide	Azadirachta indica		25990-37-8	grams	Available	Anti-cancer
41	Niranthin	Phyllanthus amarus		50656-77-4	grams	Available	Hepatoprotective
42	Phyllanthin	Phyllanthus amarus		10351-88-9	grams	Available	Hepatoprotective, Anti-inflammatory, Anti-cancer
43	Piperin	Piper nigrum		94-62-2	grams	Available	Bioavailability enhancer
44	Piperlonguminine	Piper longum		5950-12-9	grams	Available	Anti-cancer, NAFLD, Neurodegenerative
45	Psoralen	Psoralea corylifolia		66-97-7	grams	Available	Vitiligo, psoriasis

46	Pterostilbene	Pterocarpus marsupium		537-42-8	grams	Available	Anti-oxidant
47	Rhein	Aloe barbadensis		478-43-3	grams	Available	Anti-cancer
48	Rubiadin (2-Methylxanthopurpurin)	Rubia cordifolia		117-02-2	grams	Available	Hepatoprotective, Anti-oxidant, Anti-bacterial
49	Sesamin (Fagarol)	Sesamum indicum		607-80-7	grams	Available	Anti-oxidant, Anti-inflammatory, cholesterol lowering
50	Sesamolin	Sesamum indicum		526-07-8	grams	Available	Anti-oxidant, Anti-cancer, Neuroprotective
51	Tetrahydrocurcumin	Curcuma longa		36062-04-1	grams	Available	Skin whitening, Anti-oxidant, Anti-aging, UV-B protectant
52	Tetrahydropiperin	Piper nigrum/Piper longum		23434-88-0	grams	Available	Permeation enhancer
53	Vasicine (Peganine)	Adhatoda vascica		6159-55-3	grams	Available	Bronchodilator activity, Anti-tubercular, Cytotoxic activity
54	Vasicine HCl	Adhatoda vascica		7174-27-8	grams	Available	Bronchodilator activity, Anti-tubercular, Cytotoxic activity
55	Vasicinone	Adhatoda vascica		486-64-6	grams	Available	Bronchodilator activity, Anti-tubercular, Cytotoxic activity, Neurodegenerative
56	Withaferin A	Withania somnifera		5119-48-2	grams	Available	Anti-cancer, Neuro degenerative

57	Withanolide A	Withania somnifera		32911-62-9	grams	Available	Neuro degenerative
58	Withanolide B	Withania somnifera		56973-41-2	grams	Available	Neuro degenerative
59	Withanone	Withania somnifera		27570-38-3	grams	Available	Anti-cancer, Neuro degenerative