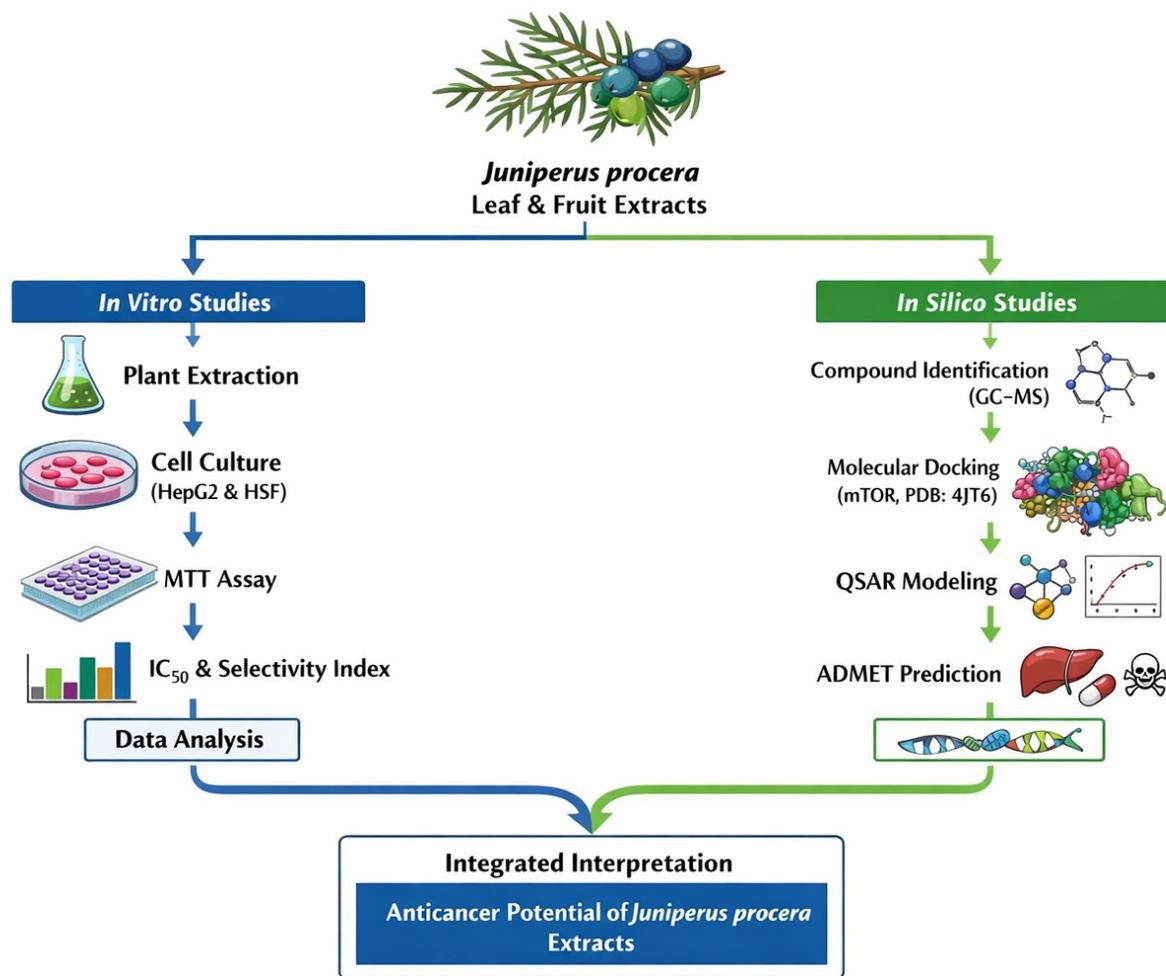
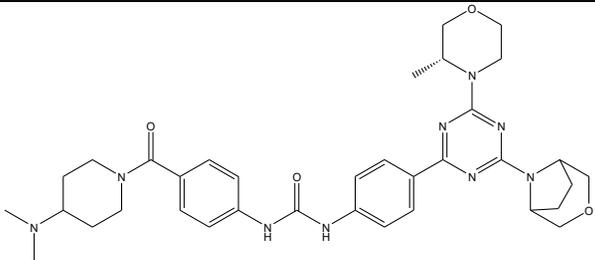
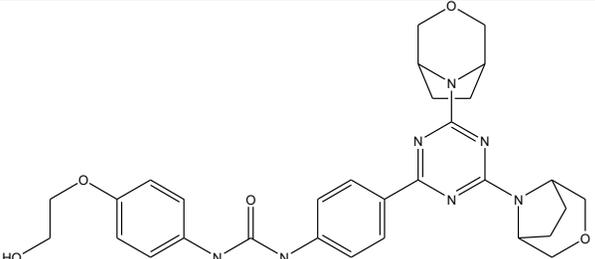
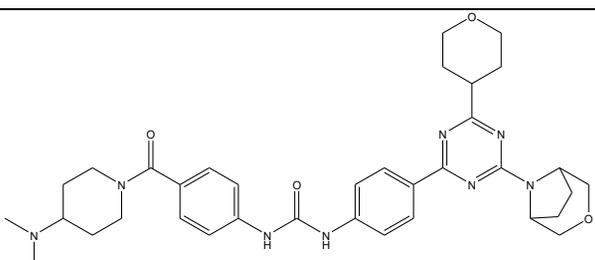
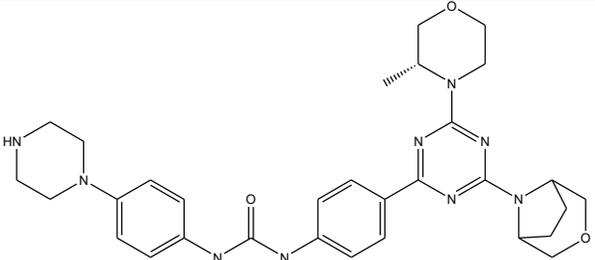


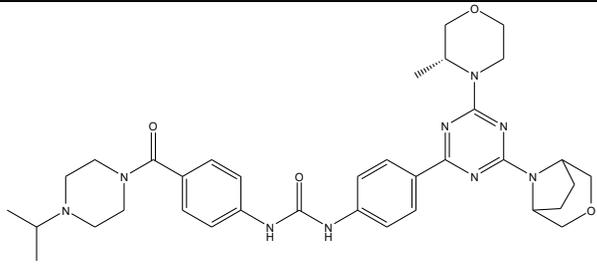
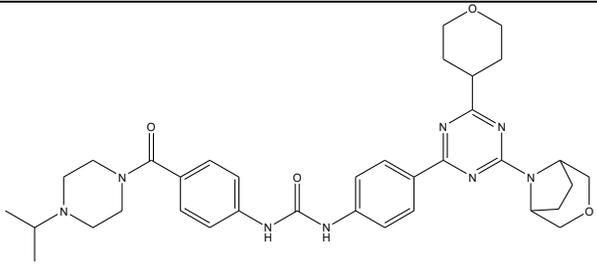
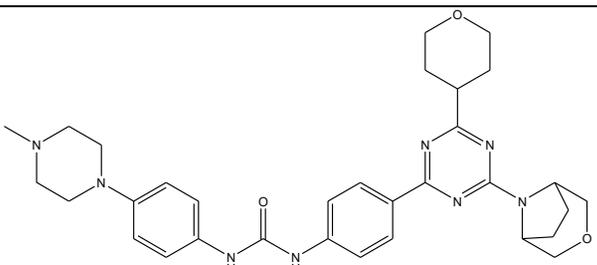
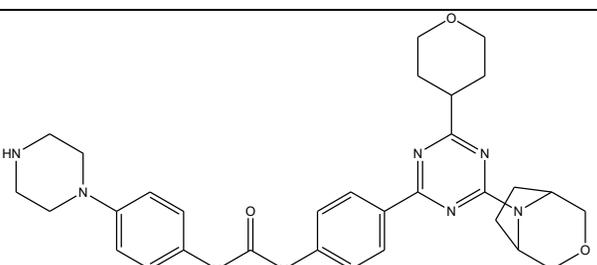
Supplementary Materials

Figures



Supplementary Fig. 1. Flowchart of the experimental and computational workflow that was used in the study.

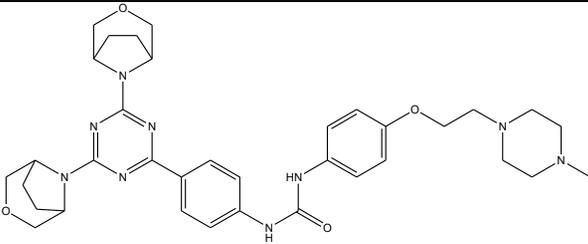
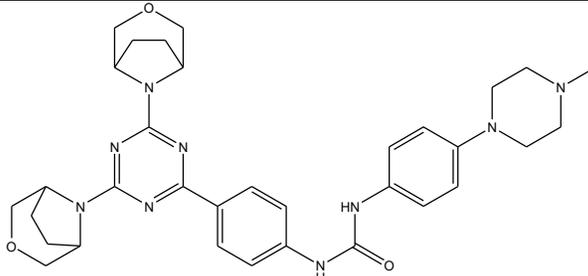
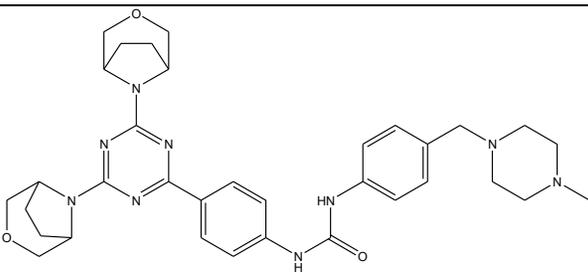
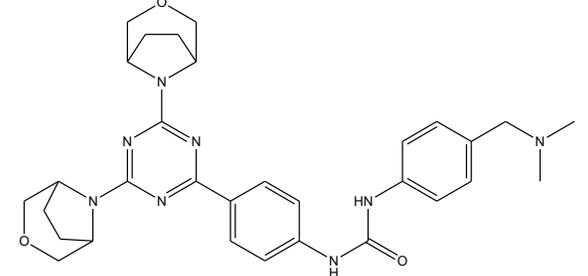
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5	46885281		0.26	9.585	9.5987	-0.01
6	46884538		0.34	9.4685	9.4856	-0.01
7	46884541		0.4	9.3979	9.2997	0.09

8	46884545		0.42	9.3768	9.4524	-0.07
9	46866604		0.46	9.3372	9.4856	-0.14
10	46884532		0.52	9.284	8.9821	0.30
11	46884533		0.54	9.2676	9.3329	-0.06

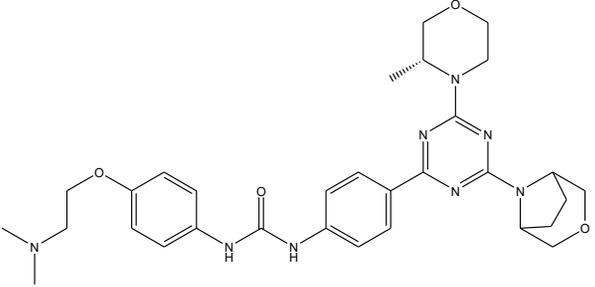
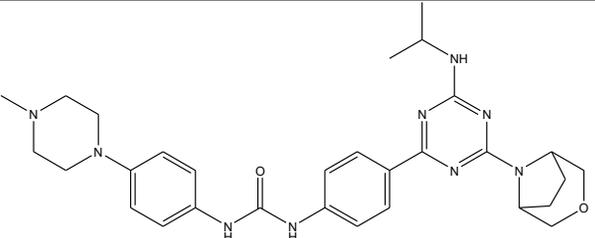
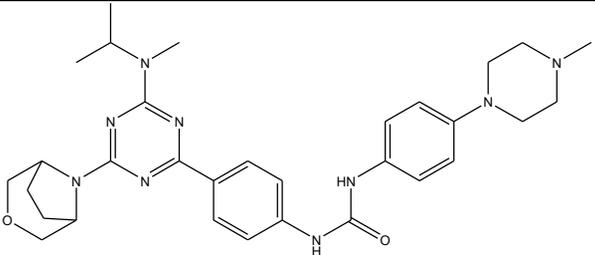
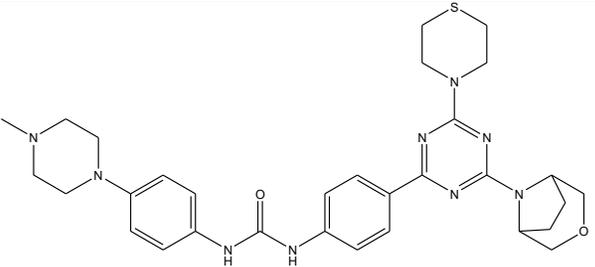
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13	46884536		0.56	9.2518	9.087	0.16
14	46885274		0.57	9.2441	9.3575	-0.11
15	46885273		0.57	9.2441	9.3475	-0.10

16	46884531		0.7	9.1549	9.1658	-0.01
17	46884526		0.7	9.1549	9.1509	0.004
18	46884540		0.7	9.1549	9.041	0.11
19	46885280		0.8	9.0969	9.1511	-0.05

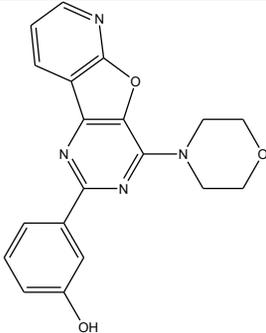
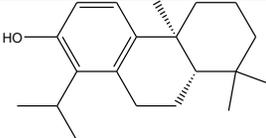
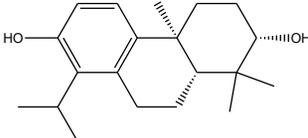
20	46884537		0.81	9.0915	9.3807	-0.28
21	46884535		0.88	9.0555	9.087	-0.03
22	46885277		0.89	9.0506	9.3447	-0.29
23	46884544		0.9	9.0458	9.0538	-0.008

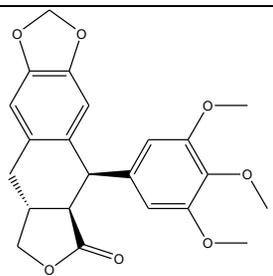
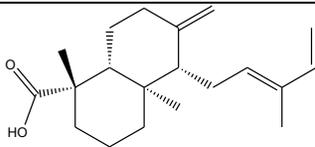
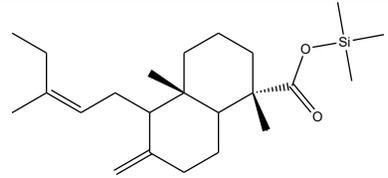
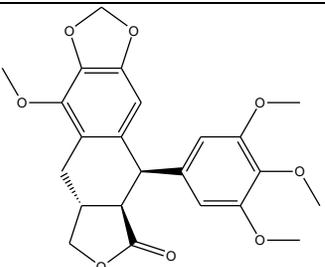
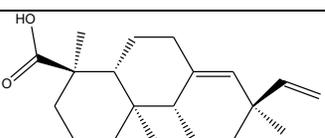
24	46885279		0.9	9.0458	8.9609	0.08
25	46865885		1.0	9.0	9.0066	-0.006
26	46885275		1.0	9.0	8.9089	0.09
27	46885276		1.1	8.9586	8.9938	-0.03

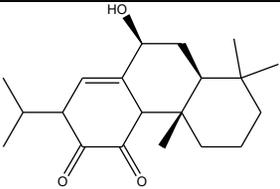
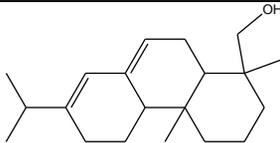
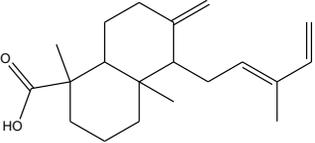
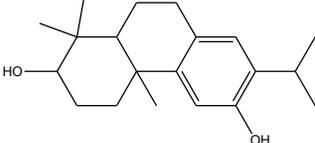
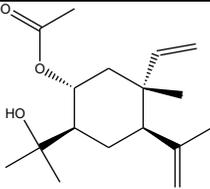
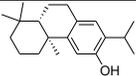
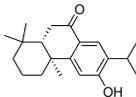
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29	46884530		1.2	8.9208	8.9488	-0.02
30	46884543		1.3	8.8861	9.0538	-0.16
31	46885278		1.6	8.7959	9.0459	-0.25

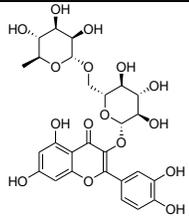
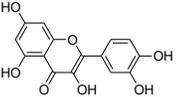
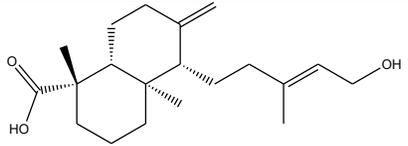
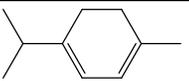
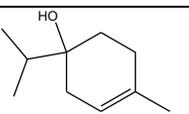
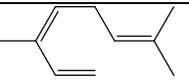
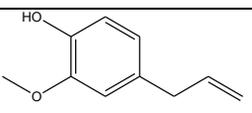
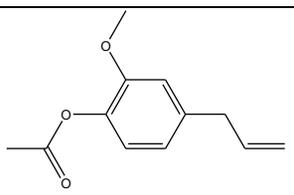
32	46884547		1.7	8.7696	8.9895	-0.21
33	46884527		5.4	8.2676	8.6733	-0.40
34	46884528		6.6	8.1805	8.3054	-0.12
35	46884529		8.8	8.0555	7.9694	0.08

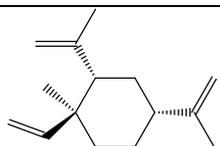
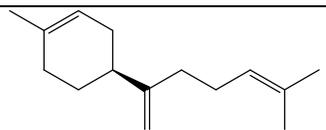
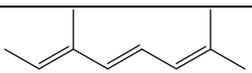
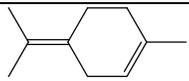
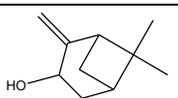
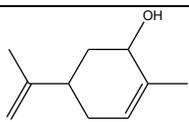
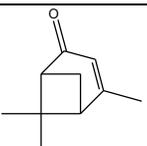
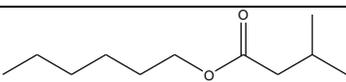
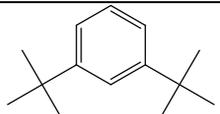
Supplementary Table 2. Chemical constituents of *Juniperus procera* and their docking scores against the Human rapamycin (mTOR) (PDB code: 4JT6). N/A* = The number of rotatable bonds is 26. Too many rotatable bonds mean low docking accuracy

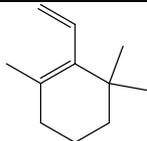
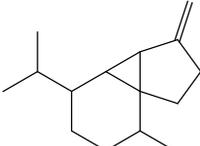
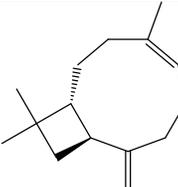
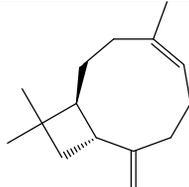
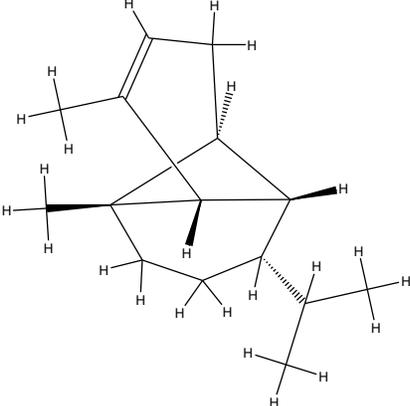
Compound	Name	Chemical Structure	PubChem CID	Reference	Docking Score
Control 1	X6K (Co-crystalized ligand)		9884685	(38)	-9.8
Phytochemicals detected in the <i>Juniperus procera</i> plant located within Saudi Arabia					
1	(+)-Totarol		92783	(39)	-7.9
2	(+)-Totradiol		9995105		-7.8

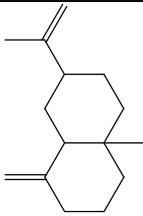
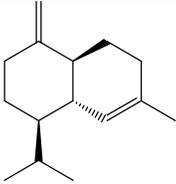
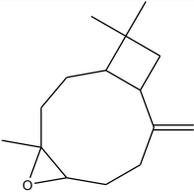
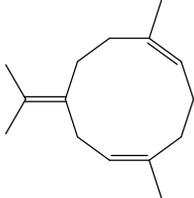
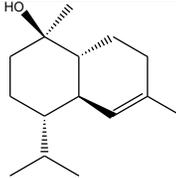
3	Deoxypodophyllotoxin		345501	-7.2
4	<i>trans</i> -Communic acid		637125	-7.3
5	<i>cis</i> -Communic acid		91749955	-6.8
6	beta-Peltatin A methyl ether		159962	-7.5
7	Sandaracopimaric acid		221580	-7.6

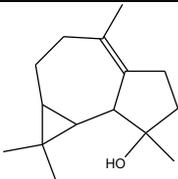
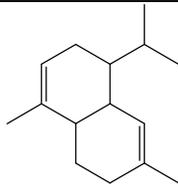
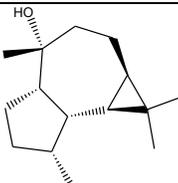
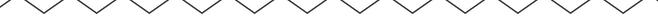
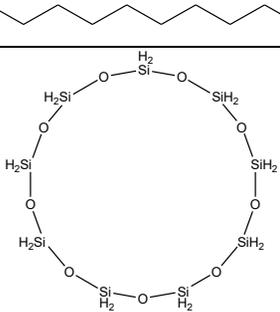
8	7 beta-Hydroxy Abieta-8,13-dien-1 I, 12-dione		5274872		-7.3
9	4- <i>epi</i> -Abietol		102461	(40)	-7.8
10	(+)-E-communic acid		12303809		-7.4
11	Hinokiol		432946		-7.0
12	8 α -Acetoxyelemol		44566708		-6.1
13	Ferruginol		442027		-8.0
14	Sugiol		94162		-8.1

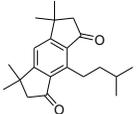
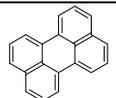
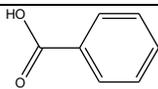
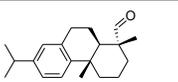
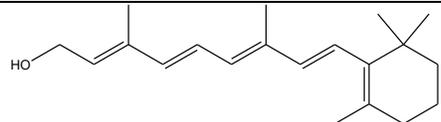
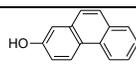
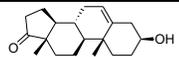
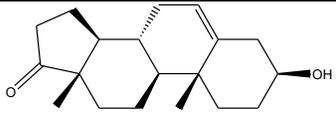
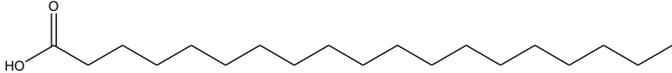
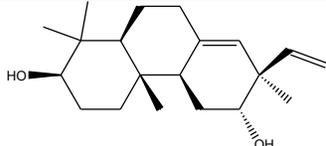
15	Rutin		5280805	(41)	-9.1
16	Quercetin		5280343		-9.0
17	Isocupressic acid		6438138	(42)	-7.0
18	n-hexanol		8103	(43)	-4.1
19	Heptanal		8130		-4.7
20	α-Terpinene		7462		-6.0
21	Terpinen-4-ol		11230		-6.2
22	Z-β-Ocimene		5320250	-5.7	
23	Eugenol		3314	-6.0	
24	Eugenol acetate		7136	-5.9	

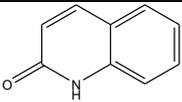
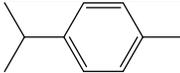
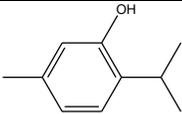
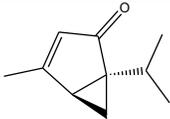
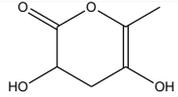
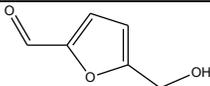
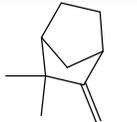
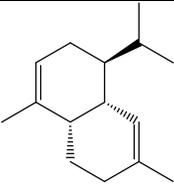
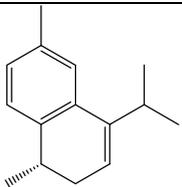
25	β -Elemene		6918391		-7.0
26	β -Bisabolene		10104370		-7.0
27	Allo-Ocimene		5368821	(44)	-6.0
28	α -Terpinolene		11463		-6.0
29	Pinocarveol		102667		-5.2
30	Carveol		7438		-6.2
31	Verbenone		29025		-5.3
32	Hexyl isovalerate		61455		-4.9
33	Benzen, 1,3-bis-dimethylethyl		136810		-6.8

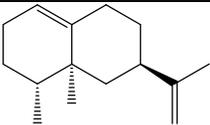
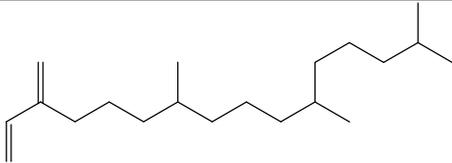
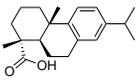
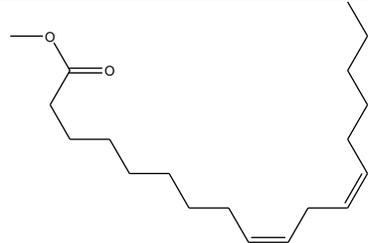
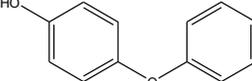
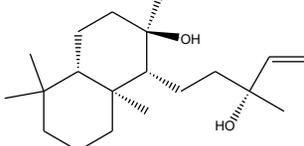
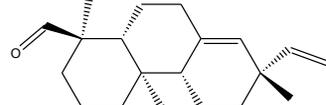
34	Cyclohexene, 2-ethenyl-1, 3, 3-trimethyl-		584957	-5.7
35	Cubebene		518814	-6.2
36	Trans-Caryophyllene		5281515	-7.0
37	β -Caryophyllene		481107968	-6.7
38	Copaene		12303902	-6.5

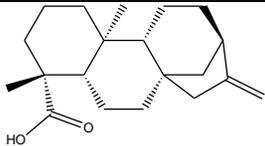
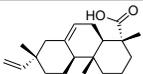
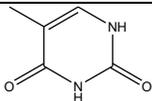
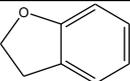
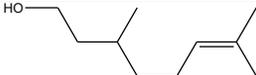
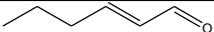
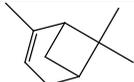
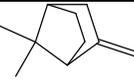
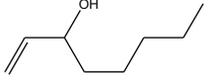
39	β -Selinene		348290135	-6.1
40	δ -Cadinene		348293214	-7.7
41	Epoxy caryophyllene		14350	-5.7
42	Germacrene B		5281519	-7.5
43	Hexadecane		11006	-5.3
44	α -Cadinol		348291549	-6.9

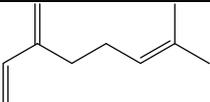
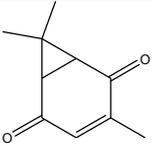
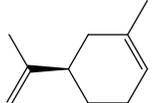
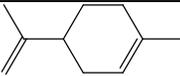
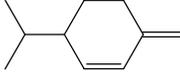
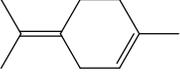
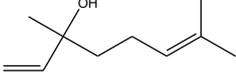
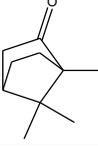
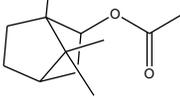
45	Isospathulenol		14038848		-6.8
46	α -Amorphene		249974003		-6.7
47	Ledol		92812		-6.3
48	Eicosane		8222		-5.3
49	Docosane		12405		-5.5
50	Heptacosane		11636		-5.4
51	Nonacosane		12409		N/A*
52	Stenol		8221		-5.4
53	Cyclononasiloxane		71358777	(45)	-5.3

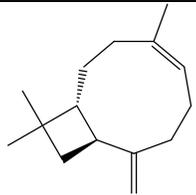
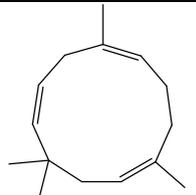
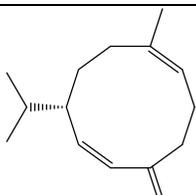
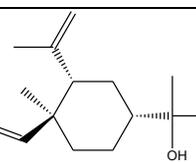
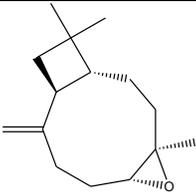
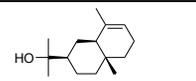
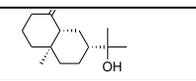
54	S-Indacene-1,7-dione		622870	-8.4
55	Perylene		9142	-10.9
56	Benzoic acid		243	-5.2
57	1Phenanthrenecarboxaldehyde		11694869	-8.3
58	Retinol		445354	-7.8
59	2-Phenanthrenol		69061	-8.8
60	n-Octanoic acid		379	-5.7
61	Prasterone		5881	-8.2
62	n-Nonadecanoic acid		12591	-5.9
63	9(1H)-Phenanthrenone		20531454	-8.4
64	2,6-Phenanthrenediol		162934253	-7.3

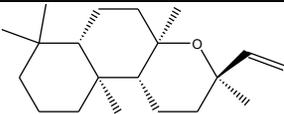
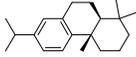
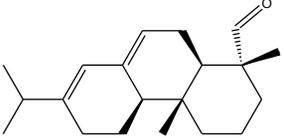
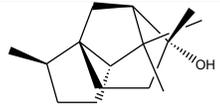
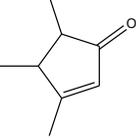
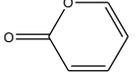
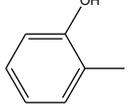
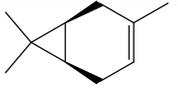
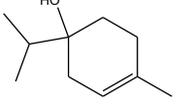
65	Quinolone		6038		-6.3
66	p-Cymene		7463	(46)	-6.0
67	Thymol		6989		-6.0
68	Umbellulone		442504	(22)	-6.0
69	Dihydro dihydroxy methyl pyranone		67452387		-5.0
70	Hydroxymethylfurfural		237332		-4.5
71	Camphene		6616		-5.5
72	Murolene		12306047		-6.1
73	Calacorene		14038842		-7.8

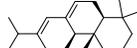
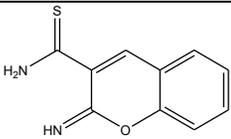
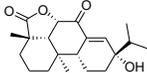
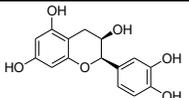
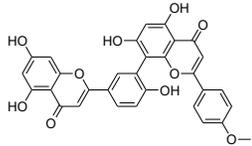
74	Valencene		9855795	-7.5
75	Neophytadiene		10446	-6.2
76	Dehydroabietic acid		94391	-8.2
77	Methyl linoleate		5284421	-5.8
78	4-Phenoxy phenol		13254	-6.4
79	Sclareol		163263	-6.8
80	Pimarinal		12304198	-7.1
81	Androstadienone		92979	-8.4

82	Kaurenoic acid		73062		-7.1
83	Isopimara-7(8),15-dien-19-oic acid		442048		-8.3
84	Thymine		1135	(21)	-5.2
85	2,3-Dihydrobenzofuran		10329		-5.5
86	3,7-Dimethyloct-6-en-1-ol		8842		-5.3
Phytochemicals detected in the <i>Juniperus procera</i> plant located outside Saudi Arabia					
87	2-Hexenal		5281168	(47)	-4.3
88	alpha-Pinene		6654		-5.3
89	beta-Pinene		14896		-5.1
90	alpha-Fenchene		28930		-5.6
91	Sabinene		18818		-5.7
92	1-Octen-3-OL		18827		-5.0

93	Myrcene		31253		-5.6
94	Car 3-ene		181910		-6.2
95	Sylvestrene		12304570		-5.9
96	Limonene		22311		-6.2
97	beta-Phellandrene		11142		-5.9
98	Terpinolene		11463		-6.0
99	Linalool		6549		-5.6
100	Camphor		2537		-5.8
101	Isoborneol		64685		-4.3
102	Bornyl acetate		6448		-4.8

103	Caryophyllene		5281515	-7.0
104	alpha-Humulene		5281520	-6.5
105	Germacrene D		5317570	-7.6
106	Elemol		92138	-7.1
107	Caryophyllene oxide		1742210	-6.0
108	alpha-Eudesmol		92762	-8.1
109	beta-Eudesmol		91457	-8.0

110	Manoyl oxide		6432025		-6.9
111	Abietatriene		6432211		-8.3
112	Abietal		443479		-7.7
113	alpha-Cedrene		6431015	(48)	-6.0
114	alpha-Cedrol		65575		-6.0
115	3,4,5-Trimethyl-2-cyclopenten-1-one		41520		-5.8
116	2H-Pyran-2-one		68154		-4.4
117	2-Methyl phenol		335		-5.2
118	gamma-3-carene		443156	(49)	-6.2
119	4-terpineol		11230		-6.2

120	Abieta-7,13-diene		443470	(50)	-8.0
121	2-Imino-6-nitro-2H-1-benzopyran-3-carbothiamid		774744	(21)	-6.9
122	Juniperolide		101552747	(51)	-8.5
123	Epicatechin		72276		-8.0
124	podocarpusflavone A		5320644		-10.5