Table S3. Binding Affinity of Cladophora Glomerata derived compounds with target protein TP53

S.No	Compound Name	Binding Affinity (kcal/mol)
1	1,2,4-Oxadiazole, 3-(1,3-benzodioxol-5-yl)-5-[4-iodo-1H-pyrazol-1-yl)methyl]-	-6.2
2	Quinoline, 1,2,3,4-tetrahydro 1-((2 phenylcyclopropyl)sulfonyl-,trans-	-5.8
3	1H-Pyrrolo[3,4-c]pyridine- 1,3,4(2H,5H)-trione, 6-methyl-	-5.7
4	Cyclobarbital	-5
5	Phytol	-4.9
6	N-Methyl-1-adamantaneacetamide	-4.9
7	3,7,11,15-Tetramethyl-2-hexadecen-1-ol	-4.5
8	Bicyclo[3.1.1]heptane, 2,6,6-trimethyl, 2,3-bis-(methylthio)	-4.3
9	1,3-Propanediol,2-(hydroxymethyl)-2-nitro-	-4
10	Z,Z,Z-1,4,6,9-Nonadecatetraene	-4
11	9,12- Octadecadienoic acid, methyl ester(E,E)-	-4
12	Dodecanoic Acid	-3.8
13	9-Hexadecenoic acid, methyl ester,(Z)-	-3.8
14	2-Undecanone, 6,10-dimethyl	-3.7
15	Tetradecanoic acid	-3.6
16	Hexadecenoic acid, methyl ester	-3.6
17	1-Octadecyne	-3.5