

Table S2. Quantum Chemical local parameters for saponin by B3LYP/LanL2DZ level with PCM model.

1 _{prot}	Mulliken	f_k^-	f_k^+	%HOMO	%LUMO
C10	-0.486	0.000	0.003	0.770	1.278
C13	-0.545	-0.003	0.000	2.123	0.341
C16	-0.265	-0.005	0.000	2.863	0.345
C18	0.407	0.004	0.000	4.016	0.324
C19	-0.047	0.003	0.000	2.390	0.144
C21	-0.606	0.000	0.000	1.087	0.182
C24	-0.157	-0.001	0.000	1.454	0.380
C26	0.399	0.005	0.000	2.067	0.718
C45	-0.594	0.001	0.000	1.246	0.084
C48	-0.087	0.001	0.000	1.850	0.034
C50	-0.785	0.000	0.000	1.469	0.124
C53	-0.183	-0.002	0.000	1.948	0.100
C54	0.343	-0.001	0.000	2.286	0.068
C55	-0.530	0.013	0.000	4.294	0.041
C58	0.019	-0.020	0.000	2.458	0.034
O60	-0.391	0.073	0.000	5.234	0.025
C61	-0.742	0.003	0.000	1.829	0.028
O65	-0.563	0.023	0.000	1.863	0.011
C67	-0.408	0.158	0.000	9.565	0.036
C69	0.366	0.130	0.000	8.424	0.025
C70	-0.753	-0.011	0.000	2.002	0.008
C74	-0.749	-0.012	0.000	2.014	0.003
O132	-0.422	0.000	0.073	0.148	12.666
S133	1.270	0.001	0.158	0.270	16.314
O134	-0.527	-0.002	0.117	0.248	12.155
O135	-0.502	0.001	0.119	0.070	10.223
O136	-0.641	0.001	0.078	0.124	13.348
O144	-0.371	0.153	0.001	7.036	0.495