

Supplementary Table 2. Binding energy and inhibition constant of best poses of phytochemicals docked within the binding pocket of wild-type and mutant kir6.2 models

Phytochemical	Binding energy in wild-type (kcal/mol)	Binding energy in mutant-type (kcal/mol)	Inhibition constant in wild-type (μM)	Inhibition constant in mutant (μM)
Curcumin	-7.93	-7.91	1.53	1.59
Genistein	-7.52	-7.92	3.05	1.57
Piperine	-6.36	-6.9	21.63	8.72
Pterostilbene	-7.54	-7.3	2.95	4.47