

Supplementary Information

Synergistic in vitro Antiviral Effect of Combinations of Ivermectin, Essential Oils and 18-(Phthalimid-2-yl)ferruginol Against Arboviruses and Herpesvirus

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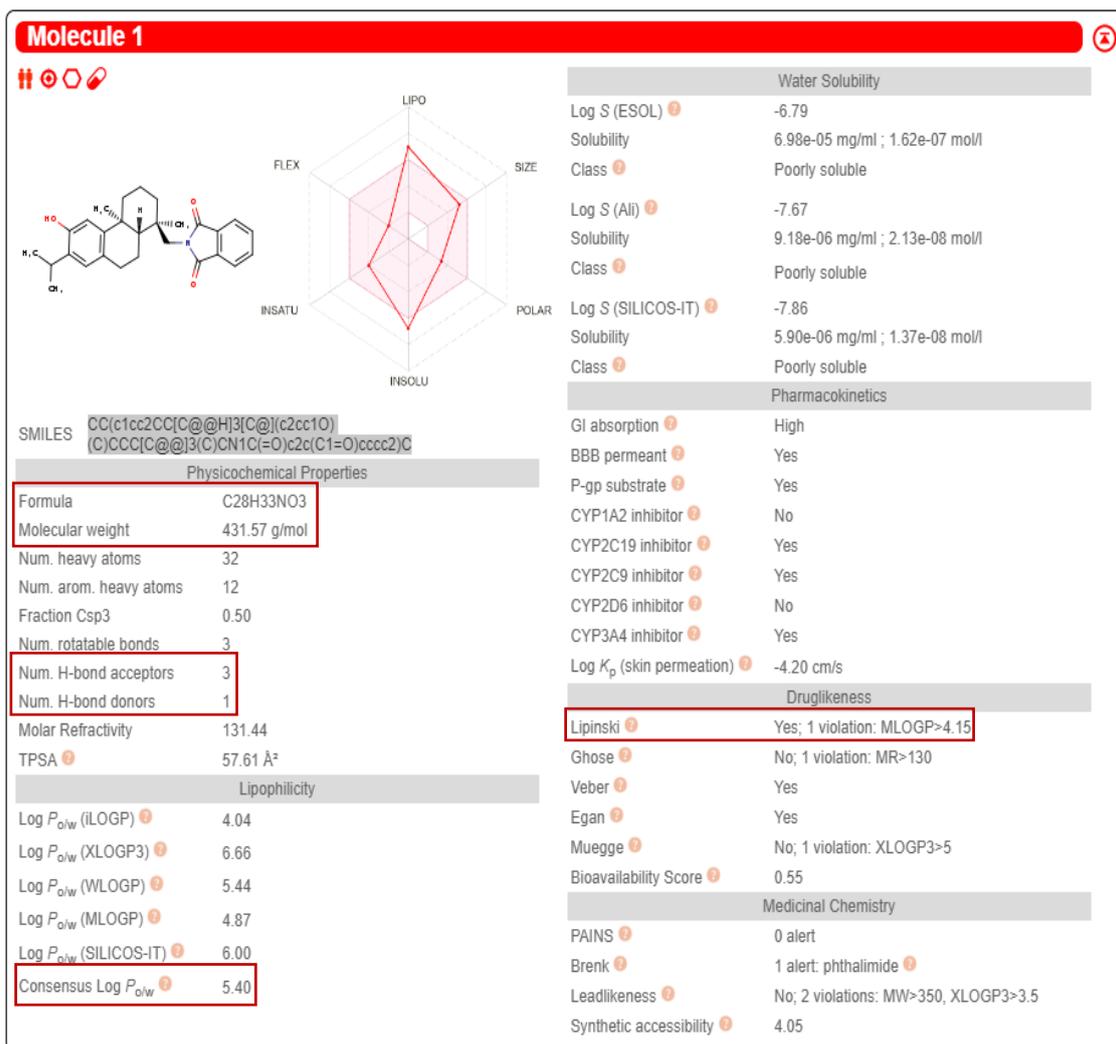
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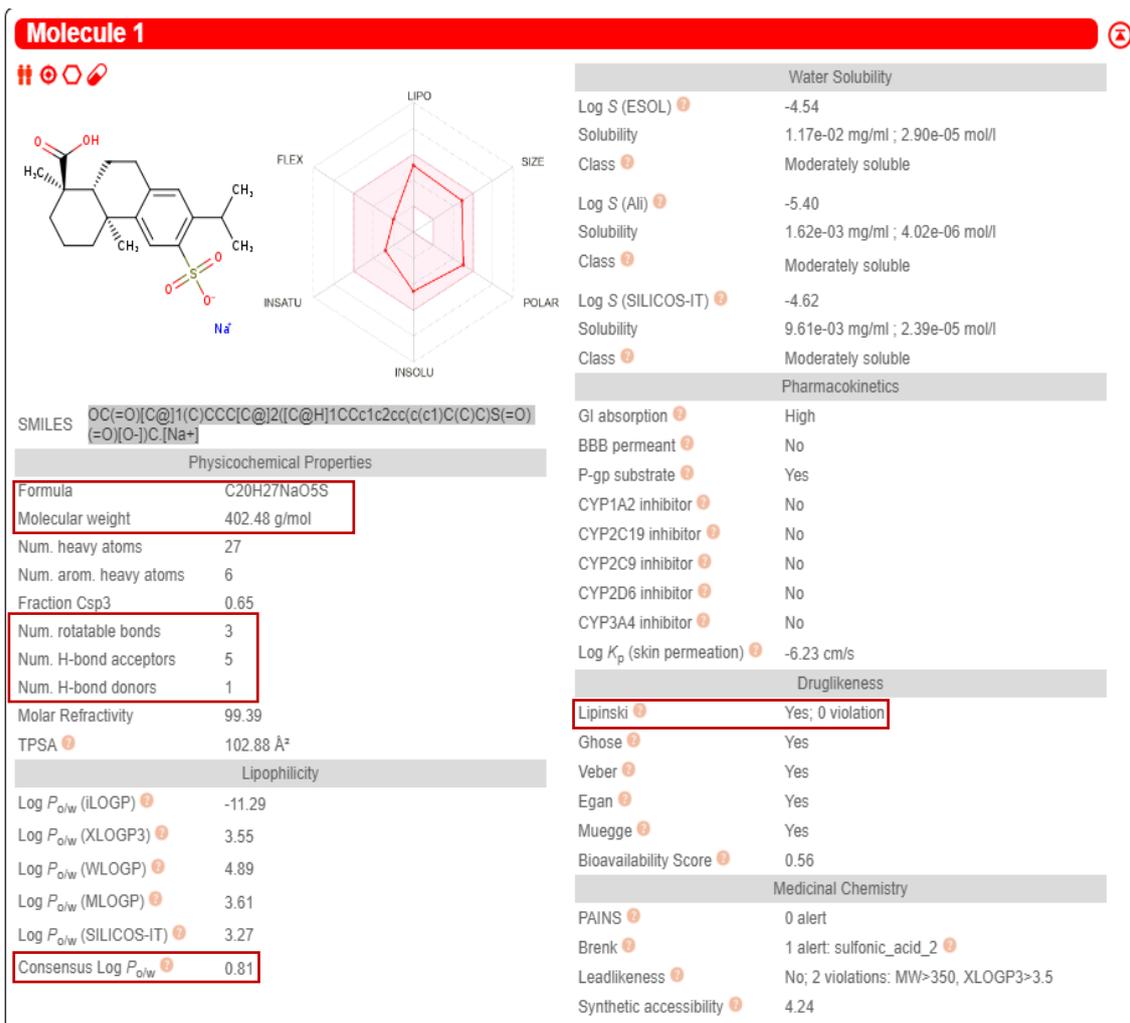
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SMILES: CC(c1cc2CC[C@@H]3[C@](c2cc1O)(C)CCC[C@@]3(C)CN1C(=O)c2c(C1=O)cccc2)C



SMILES: OC(=O)[C@]1(C)CCC[C@]2([C@H]1CCc1c2cc(c(c1)C(C)C)S(=O)(=O)[O-])C.[Na+]

Table S1. In vitro pharmacokinetic parameters for compound phthFGL (**1a**): Caco2 permeability.^a

Compound ID	Caco2 Permeability				
	AVG Papp A/B (nm/s)	SD Papp A/B	AVG Papp B/A (nm/s)	SD Papp B/A	Efflux Ratio (B2A/A2B)
Cambamazepine	718.9	12.5	565.9	32.8	0.8
Digoxin	46.1	4.6	270.6	20.5	5.9
1a	227.8	49.9	92.7	28.8	0.4

^a See experimental methods in reference: Ling, T.; Tran, M.; González, M.A.; Gautam, L.N.; Connelly, M.; Wood, R.K.; Fatima, I.; Miranda-Carboni, G.; Rivas, F. (+)-Dehydroabietylamine derivatives target triple-negative breast cancer. *Eur. J. Med. Chem.* **2015**, *102*, 9–13. <https://doi.org/10.1016/j.ejmech.2015.07.034>

Table S2. In vitro pharmacokinetic parameters for compound phthFGL (**1a**): stability in microsomes and plasma.^a

Compound ID	Metabolic Stability (Human)			Metabolic Stability (Mouse)				Plasma Stability (Human)		Plasma Stability (Mouse)	
	t1/2 (hr)	STD	Clint (mL/Min/Kg)	t1/2 (hr)	STD	Clint (mL/Min/Kg)		t1/2 (hr)	STD	t1/2 (hr)	STD
Verapemil	2.10	0.2	9.9	1.32	0.1	43.4	Eucatropine	0.57	0.01	4.96	0.28
1a	3.53	1.1	5.9	3.83	0.8	14.9	1a	52.58	6.11	>>48	--

^a See experimental methods in reference: Ling, T.; Tran, M.; González, M.A.; Gautam, L.N.; Connelly, M.; Wood, R.K.; Fatima, I.; Miranda-Carboni, G.; Rivas, F. (+)-Dehydroabietylamine derivatives target triple-negative breast cancer. *Eur. J. Med. Chem.* **2015**, *102*, 9–13. <https://doi.org/10.1016/j.ejmech.2015.07.034>