Supplementary Materials

In Vitro and *In Silico* Acetylcholinesterase Inhibitory Activity of Thalictricavine and Canadine and Their Predicted Penetration across the Blood-Brain Barrier

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Table S1. Permeability in the PAMPA-BBB assay for nine commercial drugs (used in the experiment validation), compounds **1** and **2** and their predictive penetration into the CNS [1].

compound	PAMPA-BBB (*Pe*; 10^{-6} cm.s^{-1})		prediction
	reported permeability [2]	experimental permeability [3]	
atenolol	0.8	0.1±0.1	
caffeine	1.3	0.3±0.1	
desipramine	12.0	12.7±0.4	
enoxacin	0.9	0.2±0.1	
hydrocortisone	1.9	0.7±0.6	
piroxicam	2.5	0.2±0.2	
promazine	8.8	13.3±0.4	
testosterone	17.0	22.5±2.5	
verapamil	16.0	18.5±1.2	
1		2.5 ± 0.1	CNS ±
2		5.0 ± 0.3	CNS +

[1] PBS/EtOH (70:30) was used as a solvent. [2] Reference (Di et al., 2003). [3] Data are the mean ± SD of three independent experiments.