

Flavonoid Derivatives as Potential Cholinesterase Inhibitors in Scopolamine Induced Amnesic Mice; An *in vitro*, *in-vivo* and Integrated Computational Approach

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Supplementary file

Table S1. Selection of doses for pharmacological investigation using preliminary results in behavioral Y-maze test.

Treatment/Dose (mg)		Spontaneous alternation performance
Normal control		81.34±2.01
Amnesic control (Scopolamine)		36.91±1.75 ^{###}
F1	2.5	37.02±2.11
	5	38.91±1.67
	7.5	49.12±1.45*
	10	48.66±1.98*
	12.5	48.98±2.01*
	15	51.72±1.88**
	20	52.03±2.03**
F5	2.5	38.63±1.78
	5	43.87±1.94
	7.5	66.53±1.89**
	10	66.97±1.72**
	12.5	67.33±2.05***

	15	72.94±1.89***
	20	73.08±2.12***

Mean±SEM (n=8). Statistically analyzed with oneway ANOVA followed by Dunnett's post hoc multiple comparison test to determine the values of P. ***P<0.001 comparison of amnesic (scopolamine) group *vs.* normal control group. *P<0.05, **P<0.01 and ***P<0.001 as comparison treated groups *vs.* amnesic group (scopolamine) using one way ANOVA followed by Dunnett's comparison.