Supporting information

Novel Insights into Multitargeted Potential of N'-(4-benzylpiperidin-1-yl)alkylamine derivatives in the Management of Alzheimer's Disease Associated Pathogenesis

Poonam Meena[a], Apra Manral[a], Vishal Nemaysh[b], Vikas Saini[a], Fouzia Siraj[c], Pratibha Mehta Luthra[b], Manisha Tiwari[a *]

Table S1.

Body weight (g) for male Wistar rats after 21 days of treatment with test compounds 5h and 5k by intraperitoneal route.

Days	Control (saline)		Compound 5h (5mg/kg)		Compound 5k (5mg/kg)	
	Bwt (g)	% Increase	Bwt (g)	% Increase	Bwt (g)	% Increase
0	275.42 ± 6.91	-	270.63 ± 4.55	-	274.87 ± 5.92	-
10	283.91 ± 5.42	3.08	281.86 ± 5.08	4.15	285.33 ± 4.71	3.8
20	294.46 ± 4.83	6.91	293.35 ± 5.61	8.39	295.14 ± 5.29	7.37

The values are expressed as mean ± SEM (n = 8 animals per group).

Table S2.

Effect of test compounds 5h and 5k on serum biochemical parameters in Wistar rats treated for 21 consecutive days intraperitoneally.

Serum Biochemical Parameters	Groups		
	Control (saline)	Compound 5h (5mg/kg)	Compound 5k (5mg/kg)
AST (U/L)	149.12 ± 5.68	147.43 ± 4.68	151.38 ± 4.29
ALP (U/L)	121.05 ± 12.30	123.95 ± 8.31	124.05 ± 7.43
Creatinine (mg/dL)	0.59 ± 0.89	0.50 ± 0.48	0.55 ± 0.26
BUN (mg/dL)	10.54 ± 1.15	9.94 ± 1.55	11.94 ± 1.49

The values are expressed as mean ± SEM (n = 8 animals per group)

AST: aspartate aminotransferase, **ALP**: alkaline phosphatase, **BUN**: blood urea nitrogen.