

Supplementary Table S1. Pharmacokinetic profile in plasma and brain of C57BL/6 mice (n = 5) after a single intraperitoneal dose (10 mg/kg) of YHV98-1 or YHV98-4.

Compound	YHV98-1		YHV98-4	
Dose	i.p. 10 mg/kg		i.p. 10 mg/kg	
Tissue	Plasma	Brain	Plasma	Brain
T _{1/2} (hour)	0.82	0.68	1.75	2.13
T _{max} (hour)	0.083	0.25	0.083	0.5
C _{max} (ng/ml)	3745.99	628.23	4464.83	3077.14
AUC _{0-∞} (hr*ng/ml)	3266.55	649.66	3644.92	5089.99
AUC _{0-t} (hr*ng/ml)	3262.44	647.35	3526.91	4704.36
Cl (ml/min/kg)	51.02	256	45.54	32.74
MRT _{0-t} (h)	0.62	0.80	1.27	1.85
Brain/Plasma ratio (%)	NA	0.20	NA	1.33

Abbreviations: T_{1/2}, terminal half-life; T_{max}, time to maximum plasma concentration; C_{max}, maximum plasma concentration; AUC, area under the plasma concentration–time curve; CL, clearance; MRT, Mean Retention Time; NA, not applicable.