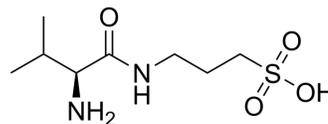


Valiltramiprosate

Cat. No.:	HY-117259
CAS No.:	1034190-08-3
Molecular Formula:	C ₈ H ₁₈ N ₂ O ₄ S
Molecular Weight:	238.3
Target:	Amyloid-β
Pathway:	Neuronal Signaling
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 30 mg/mL (125.89 mM); ultrasonic and warming and heat to 60°C					
	Preparing Stock Solutions	Solvent Concentration	Mass			
			1 mg	5 mg	10 mg	
			1 mM	4.1964 mL	20.9820 mL	41.9639 mL
			5 mM	0.8393 mL	4.1964 mL	8.3928 mL
10 mM	0.4196 mL	2.0982 mL	4.1964 mL			
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: PBS Solubility: 100 mg/mL (419.64 mM); Clear solution; Need ultrasonic					

BIOLOGICAL ACTIVITY

Description	ALZ-801 is a potent and orally available small-molecule β-amyloid (Aβ) anti-oligomer and aggregation inhibitor, valine-conjugated proagent of Tramiprosate with substantially improved PK properties and gastrointestinal tolerability compared with the parent compound ^[1] . ALZ-801 is an advanced and markedly improved candidate for the treatment of alzheimer's disease ^[2] .
IC ₅₀ & Target	β-amyloid ^[1]
In Vivo	ALZ-801 (oral administration; 172?mg/kg; single dose) exhibits mean AUCt values of 58,758 and? 5841 ng/ml.h in plasma and brain, respectively. The ALZ-801: Tramiprosate ratio in plasma and brain is 1.8 and 3.1, respectively in male CD-1 mice ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. John A. Hey, et al. Discovery and Identification of an Endogenous Metabolite of Tramiprosate and Its Prodrug ALZ-801 that Inhibits Beta Amyloid Oligomer Formation in the Human Brain. *CNS Drugs*. 2018; 32(9): 849–861.

[2]. Hey JA, et al. Clinical Pharmacokinetics and Safety of ALZ-801, a Novel Prodrug of Tramiprosate in Development for the Treatment of Alzheimer's Disease. *Clin Pharmacokinet*. 2018 Mar;57(3):315-333.

Caution: Product has not been fully validated for medical applications. For research use only.

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