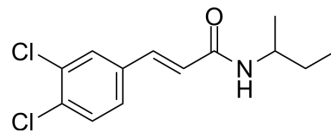


Lvguidigan

Cat. No.:	HY-100377
CAS No.:	82351-05-1
Molecular Formula:	C ₁₃ H ₁₅ Cl ₂ NO
Molecular Weight:	272.17
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 125 mg/mL (459.27 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	3.6742 mL	18.3709 mL	36.7417 mL
				5 mM	0.7348 mL	3.6742 mL	7.3483 mL
				10 mM	0.3674 mL	1.8371 mL	3.6742 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.08 mg/mL (7.64 mM); Suspended solution; Need ultrasonic						
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (7.64 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	Lvguidigan is a potent anticonvulsant agent. Lvguidigan also has sedative-hypnotic, tranquilizing, and muscle-relaxing actions. Lvguidigan can be used as antiepileptic agent ^{[1][2]} .
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REFERENCES

- [1]. Cao LG, Pei YQ. [Analysis of the mechanism of anticonvulsant action of 3, 4-dichlorophenyl propenyl isobutylamide (7903)]. Yao Xue Xue Bao. 1982 Dec;17(12):889-93.
- [2]. Pei YQ. A review of pharmacology and clinical use of piperine and its derivatives. Epilepsia. 1983 Apr;24(2):177-82.

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

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