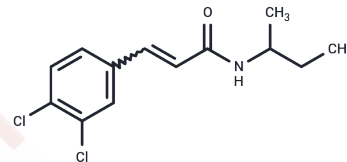


Lvguidingan

Chemical Properties

CAS No. : 82351-05-1
 Formula: C₁₃H₁₅Cl₂NO
 Molecular Weight: 272.17
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	Lvguidingan is an Anticonvulsant agent.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 50 mg/mL (183.71 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 2.5 mg/mL (9.19 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.0735 mL	0.3674 mL	0.7348 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Patejdl R, et al. Phenytoin inhibits contractions of rat gastrointestinal and portal vein smooth muscle by inhibiting calcium entry. *Neurogastroenterol Motil.* 2015 Oct;27(10):1453-65.

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