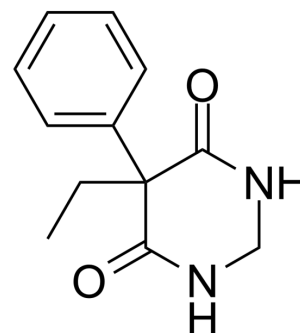


Primidone

Cat. No.:	HY-B0339		
CAS No.:	125-33-7		
Molecular Formula:	C ₁₂ H ₁₄ N ₂ O ₂		
Molecular Weight:	218.25		
Target:	Sodium Channel		
Pathway:	Membrane Transporter/Ion Channel		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (229.10 mM; Need ultrasonic)
 H₂O : < 0.1 mg/mL (insoluble)

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	4.5819 mL	22.9095 mL	45.8190 mL
	5 mM	0.9164 mL	4.5819 mL	9.1638 mL
	10 mM	0.4582 mL	2.2910 mL	4.5819 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
 Solubility: ≥ 2.5 mg/mL (11.45 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
 Solubility: ≥ 2.5 mg/mL (11.45 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 2.5 mg/mL (11.45 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Primidone is a potent anticonvulsant agent of the barbiturate class. Primidone is a neuronal voltage-gated sodium channel (VGSC) blocker and can be used for the study of epilepsy, essential tremor, and Psychiatric disorders^[1].

CUSTOMER VALIDATION

-
- Cell Res. 2022 Apr 4.
 - bioRxiv. 2020 Jun.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Kevin Kwong, et al. Voltage-gated sodium channels. Curr Opin Pharmacol. 2015 Jun;22:131-9

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

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