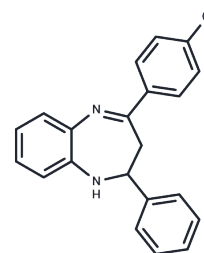


Anticonvulsant agent 2

Chemical Properties

CAS No. :	75220-84-7
Formula:	C ₂₁ H ₁₇ ClN ₂
Molecular Weight:	332.83
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Anticonvulsant agent 2 is a potent orally active anticonvulsant that has shown antiepileptic activity in a model of drug-resistant epilepsy.
Targets(IC50)	Others
In vivo	Anticonvulsant agent 2 (50 mg/kg, p.o.) decreased motor activity in rats with 21.01% inhibition.[1] Anticonvulsant agent 2 (50 mg/kg ; p.o.) showed antiepileptic activity with an inhibition rate of 24.45% in rats.[1]

Solubility Information

Solubility	DMSO: 112.5 mg/mL (338.0 mM), Sonication and heating to 60°C are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0045 mL	15.0227 mL	30.0454 mL
5 mM	0.6009 mL	3.0045 mL	6.0091 mL
10 mM	0.3005 mL	1.5023 mL	3.0045 mL
50 mM	0.0601 mL	0.3005 mL	0.6009 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.

Reference

Verma R, et al. Design, synthesis and neuropharmacological evaluation of new 2,4-disubstituted-1,5-benzodiazepines as CNS active agents. Bioorg Chem. 2020 ; 101:104010.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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