Anticonvulsant agent 2

Cat. No.: HY-154436

CAS No.: 75220-84-7

Molecular Formula: $C_{21}H_{17}ClN_2$

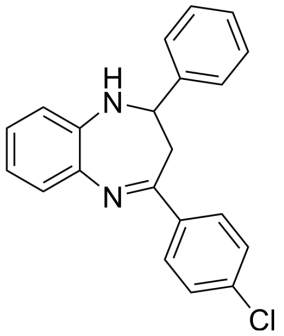
Molecular Weight: 332.83

Target: Others

Pathway: Others

Storage:

Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	6 months
	-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (375.57 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	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

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

BIOLOGICAL ACTIVITY

Description

Anticonvulsant agent 2 is a potent and orally active anticonvulsant agent. Anticonvulsant agent 2 shows antiepileptic activity[1].

In Vivo

Anticonvulsant agent 2 (compound10 a; 50 mg/kg, p.o.) decreases locomotor activity with an inhibition rate of 21.01% in rat [1].

Anticonvulsant agent 2 (50 mg/kg; p.o.) shows antiepileptic activity with an inhibition rate of 24.45% in rat[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Animal Model:	180-250g, male Wistar rats[1]
Dosage:	50 mg/kg
Administration:	P.o.
Result:	Showed antiepileptic activity with the inhibition rate of 24.45%.

REFERENCES

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

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