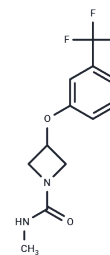


Fluzinamide

Chemical Properties

CAS No. :	76263-13-3
Formula:	C ₁₂ H ₁₃ F ₃ N ₂ O ₂
Molecular Weight:	274.24
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Fluzinamide (AHR-8559) has anticonvulsant effects on ignited amygdala seizures.
Targets(IC50)	Others,Sodium Channel
In vivo	Extensively metabolized in mice, rats, and dogs, Fluzinamide, an antiepileptic agent effective against partial seizures, has its anticonvulsant properties evaluated in the kindled amygdaloid seizure model in rats. At doses that do not cause sedation or ataxia, Fluzinamide significantly attenuates afterdischarge durations and the severity of accompanying convulsive responses in previously kindled rats. The maximum anticonvulsant effectiveness against suprathreshold (400 μ A) stimulation is observed at 30 min after acute intraperitoneal injections. Additionally, Fluzinamide (10-80 mg/kg i. p.) is assessed in kindled rats using threshold (20 μ A increments) seizures. Low doses of Fluzinamide significantly elevate seizure threshold and reduce both elicited after-discharge durations and seizure severity. Administered daily during kindling acquisition, Fluzinamide (20 and 40 mg/kg i.p.) significantly increases the number of trials necessary to complete kindling. The duration and severity of responses induced by stimulations during the acquisition period are reduced [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6464 mL	18.2322 mL	36.4644 mL
5 mM	0.7293 mL	3.6464 mL	7.2929 mL
10 mM	0.3646 mL	1.8232 mL	3.6464 mL
50 mM	0.0729 mL	0.3646 mL	0.7293 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

Albertson TE, et al. Anticonvulsant action of fluzinamide (AHR-8559) on kindled amygdaloid seizures. *Epilepsia*. 1984 Aug;25(4):511-7.

Johnson DN, et al. Pharmacodynamics and pharmacokinetics of AHR-11748, a new antiepileptic agent, in rodents. *Epilepsy Res*. 1990 Apr;5(3):185-91.

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