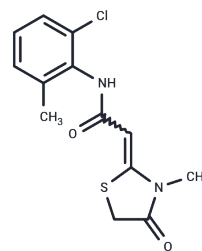


Ralitoline

Chemical Properties

CAS No. :	1089085-40-4
Formula:	C ₁₃ H ₁₃ ClN ₂ O ₂ S
Molecular Weight:	296.77
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	Ralitoline (Ralitolinum) is an anticonvulsant with anticancer activity and sodium channel blocking activity.
Targets(IC50)	Sodium Channel

Solubility Information

Solubility	DMSO: 55 mg/mL (185.33 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3696 mL	16.8481 mL	33.6961 mL
5 mM	0.6739 mL	3.3696 mL	6.7392 mL
10 mM	0.337 mL	1.6848 mL	3.3696 mL
50 mM	0.0674 mL	0.337 mL	0.6739 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

- Dostal LA, et al. Developmental toxicity study in rats treated with the anticonvulsant, ralitoline. *Teratology*. 1995 ; 51(1):11-19.
- Fischer W, et al. Anticonvulsant and sodium channel blocking effects of ralitoline in different screening models. *Naunyn Schmiedebergs Arch Pharmacol*. 1992 ; 346(4):442-452.
- Löscher W, et al. Ralitoline: a reevaluation of anticonvulsant profile and determination of "active" plasma concentrations in comparison with prototype antiepileptic drugs in mice. *Epilepsia*. 1991 ; 32(4):560-568.
- Rock DM, et al. Ralitoline (CI-946) and CI-953 block sustained repetitive sodium action potentials in cultured mouse spinal cord neurons and displace batrachotoxinin A 20-alpha-benzoate binding in vitro. *Epilepsy Res*. 1991 ; 8(3): 197-203.

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