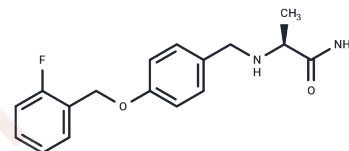


Ralfinamide

Chemical Properties

CAS No. :	133865-88-0
Formula:	C17H19FN2O2
Molecular Weight:	302.34
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	Ralfinamide (Priralfinamide) is an orally available Na-channel blocker for the treatment of neuropathic pain and other pain conditions.
Targets(IC50)	Sodium Channel
In vivo	Oral ralfinamide dose-dependently alleviated spared nerve injury-induced allodynia in rats and mice. Ralfinamide increased mechanical withdrawal thresholds in oxaliplatin-induced and paclitaxel-induced neuropathic pain. Ralfinamide did not affect physiological pain, locomotion, or cardiovascular function[1].

Solubility Information

Solubility	DMSO: 125 mg/mL (413.44 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	3.3075 mL	16.5377 mL	33.0753 mL
5 mM	0.6615 mL	3.3075 mL	6.6151 mL
10 mM	0.3308 mL	1.6538 mL	3.3075 mL
50 mM	0.0662 mL	0.3308 mL	0.6615 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

Liang X , Yu G , Su R . Effects of ralfinamide in models of nerve injury and chemotherapy-induced neuropathic pain [J]. European journal of pharmacology, 2018, 823:27-34.

Zhang S H , Blech-Hermoni Y , Faravelli L , et al. Ralfinamide administered orally before hindpaw neurectomy or postoperatively provided long-lasting suppression of spontaneous neuropathic pain-related behavior in the rat[J]. Pain, 2008, 139(2):0-305.

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