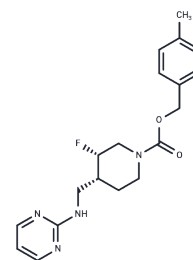


Rislenemdaz

Chemical Properties

CAS No. :	808732-98-1
Formula:	C ₁₉ H ₂₃ FN ₄ O ₂
Molecular Weight:	358.41
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	Rislenemdaz (CERC-301) (CERC-301) is an antagonist of the N-methyl-D-aspartate (NMDA) receptor subunit 2B (GluN2B).
Targets(IC50)	iGluR
In vitro	rislemmdaz (CERC-301) inhibited calcium influx in agonist stimulated NMDA-GluN1a/GluN2B L(tk-) cells. rislemmdaz (CERC-301) had an IC50 of 3.6 nM. rislemmdaz is highly selective for GluN2B receptors. rislemmdaz showed minimal activity against sigma-type receptors at a concentration of 10 uM[1].

Solubility Information

Solubility	DMSO: 90 mg/mL (251.11 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 3.3 mg/mL (9.21 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7901 mL	13.9505 mL	27.901 mL
5 mM	0.558 mL	2.7901 mL	5.5802 mL
10 mM	0.279 mL	1.3951 mL	2.7901 mL
50 mM	0.0558 mL	0.279 mL	0.558 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

Rachel Garner, et al. Preclinical pharmacology and pharmacokinetics of CERC-301, a GluN2B-selective N-methyl-D-aspartate receptor antagonist. *Pharmacol Res Perspect.* 2015 Dec; 3(6): e00198.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481