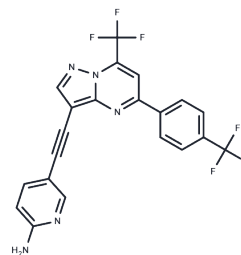


Decoglurant

Chemical Properties

CAS No. :	911115-16-7
Formula:	C ₂₁ H ₁₁ F ₆ N ₅
Molecular Weight:	447.34
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	Decoglurant (RO4995819) is a negative allosteric modulator of mGluR2 and mGluR3, developed as an antidepressant.
Targets(IC50)	GluR

Solubility Information

Solubility	DMSO: 230 mg/mL (514.15 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: 5 mg/mL (11.18 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	2.2354 mL	11.1772 mL	22.3544 mL
5 mM	0.4471 mL	2.2354 mL	4.4709 mL
10 mM	0.2235 mL	1.1177 mL	2.2354 mL
50 mM	0.0447 mL	0.2235 mL	0.4471 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

Wilkinson ST, et al. A new generation of antidepressants: an update on the pharmaceutical pipeline for novel and rapid-acting therapeutics in mood disorders based on glutamate/GABA neurotransmitter systems. Drug Discov Today. 2019 Feb;24(2):606-615.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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