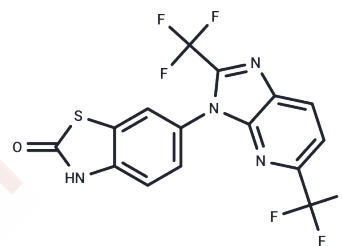


AMPA receptor modulator-2

Chemical Properties

CAS No. :	2034181-36-5
Formula:	C ₁₅ H ₆ F ₆ N ₄ O ₅
Molecular Weight:	404.29
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	AMPA receptor modulator-2 (Example 134) is an AMPA receptor modulator with a pIC ₅₀ of 10.1 for TARPγ ₂ dependent AMPA receptor[1]. pIC ₅₀ = -lgIC ₅₀ . [1]. BERRY CYNTHIA G B (US), et al. AZABENZIMIDAZOLES AND THEIR USE AS AMPA RECEPTOR MODULATORS. Patent. WO2016176460.
Targets(IC ₅₀)	GluR,iGluR

Solubility Information

Solubility	H ₂ O: < 0.1 mg/mL (insoluble) DMSO: 250 mg/mL (618.37 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 (12.37 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	2.4735 mL	12.3674 mL	24.7347 mL
5 mM	0.4947 mL	2.4735 mL	4.9469 mL
10 mM	0.2473 mL	1.2367 mL	2.4735 mL
50 mM	0.0495 mL	0.2473 mL	0.4947 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

BERRY CYNTHIA G B (US), et al. AZABENZIMIDAZOLES AND THEIR USE AS AMPA RECEPTOR MODULATORS. Patent. WO2016176460.

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