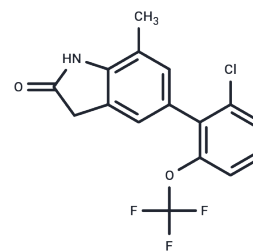


AMPA receptor modulator-1

Chemical Properties

CAS No. :	2036074-41-4
Formula:	C ₁₆ H ₁₁ ClF ₃ NO ₂
Molecular Weight:	341.71
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	AMPA receptor modulator-1 can be activated by glutamate, thereby modulating ion channels.
Targets(IC50)	iGluR

Solubility Information

Solubility	DMSO: 3.42 mg/mL (10.01 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	2.9265 mL	14.6323 mL	29.2646 mL
5 mM	0.5853 mL	2.9265 mL	5.8529 mL
10 mM	0.2926 mL	1.4632 mL	2.9265 mL
50 mM	0.0585 mL	0.2926 mL	0.5853 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

- Ravula S, et al. Lead Optimization of 5-Aryl Benzimidazolone- and Oxindole-Based AMPA Receptor Modulators Selective for TARP γ -8. ACS Med Chem Lett. 2018 Jul 13;9(8):821-826.
- Hamideh Zarrinmayeh, et al. A novel class of positive allosteric modulators of AMPA receptors: Design, synthesis, and structure-activity relationships of 3-biphenyl-4-yl-4-cyano-5-ethyl-1-methyl-1H-pyrrole-2-carboxylic acid, LY2059346. Bioorg Med Chem Lett. 2006 Oct 1;16(19):5203-6. doi: 10.1016/j.bmcl.2006.07.01Epub 2006 Jul 25

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