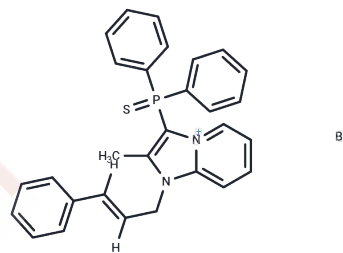


ML 154

Chemical Properties

CAS No. : 1345964-89-7
 Formula: C₂₉H₂₆BrN₂PS
 Molecular Weight: 545.47
 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	ML 154 is a potent neuropeptide S receptor (NPSR) antagonist.
Targets(IC50)	Neuropeptide Y Receptor

Solubility Information

Solubility	DMSO: 55 mg/mL (100.83 mM),Sonication is recommended. Ethanol: < 27.27 mg/mL,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	1.8333 mL	9.1664 mL	18.3328 mL
5 mM	0.3667 mL	1.8333 mL	3.6666 mL
10 mM	0.1833 mL	0.9166 mL	1.8333 mL
50 mM	0.0367 mL	0.1833 mL	0.3667 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

Batran RZ, et al. New quinolone derivatives as neuropeptide S receptor antagonists: Design, synthesis, homology modeling, dynamic simulations and modulation of Gq/Gs signaling pathways. Bioorg Chem. 2021;111:104817.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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