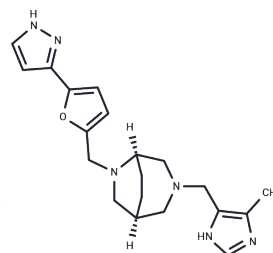


DRP1i27

Chemical Properties

CAS No. : 1453028-33-5
 Formula: C₂₀H₂₆N₆O
 Molecular Weight: 366.46
 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	DRP1i27, a potent human dynamin-related protein 1 (Drp1) inhibitor, targets the GTPase site of Drp1, forming hydrogen bonds with Gln34 and Asp218. It mitigates Drp1-mediated mitochondrial fission in cell line models and offers protection against simulated ischemia-reperfusion injury.
Targets(IC50)	Others,Dynamin

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7288 mL	13.6441 mL	27.2881 mL
5 mM	0.5458 mL	2.7288 mL	5.4576 mL
10 mM	0.2729 mL	1.3644 mL	2.7288 mL
50 mM	0.0546 mL	0.2729 mL	0.5458 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

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