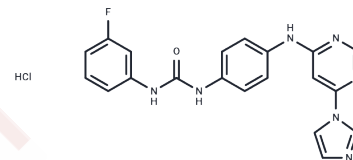


Miro1 Reducer

Chemical Properties

CAS No. :	2624336-91-8
Formula:	C ₂₀ H ₁₇ N ₇ OCl
Molecular Weight:	425.85
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	Promotes proteasomal degradation of Miro1 (mitochondrial Rho GTPase 1). Reduces Miro1 levels in fibroblasts from Parkinson's disease (PD) patients (IC ₅₀ = 7.8 μM). Exhibits no significant effect on related outer mitochondrial membrane protein Mitofusin. Reduces stress-induced degeneration of dopaminergic neurons derived from PD patient iPSCs. Rescues age-dependent neuronal loss and prolongs lifespan in fly PD models.
Targets(IC ₅₀)	Others

Solubility Information

Solubility	DMSO: 42.58 mg/mL (99.99 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	2.3482 mL	11.7412 mL	23.4824 mL
5 mM	0.4696 mL	2.3482 mL	4.6965 mL
10 mM	0.2348 mL	1.1741 mL	2.3482 mL
50 mM	0.047 mL	0.2348 mL	0.4696 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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