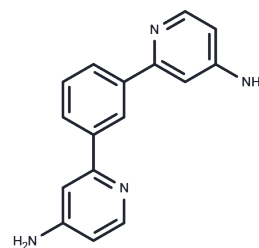


AP-6

Chemical Properties

CAS No. :	1369963-51-8
Formula:	C ₁₆ H ₁₄ N ₄
Molecular Weight:	262.31
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	AP-6 is a selective TMEM175 inhibitor that modulates lysosomal function and enhances lysosomal macromolecular catabolism, accelerating phagocytosis and other digestive processes. It is applicable for Parkinson's disease research.
Targets(IC50)	Potassium Channel

Solubility Information

Solubility	H ₂ O: < 1 mg/mL (insoluble) DMSO: 0.5 mg/mL (1.91 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	3.8123 mL	19.0614 mL	38.1228 mL
5 mM	0.7625 mL	3.8123 mL	7.6246 mL
10 mM	0.3812 mL	1.9061 mL	3.8123 mL
50 mM	0.0762 mL	0.3812 mL	0.7625 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

Oh S, et al. Discovery of Selective Inhibitors for the Lysosomal Parkinson's Disease Channel TMEM175. J Am Chem Soc. 2024;146(33):23230-23239.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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