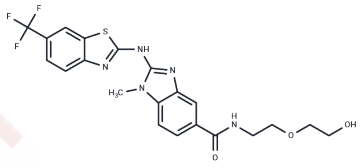
Data Sheet (Cat.No.T67920)

TargetMol

HPPE

Chemical Properties



CAS No. : 1325721-55-8

Formula: C21H20F3N5O3S

Molecular Weight: 479.48

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	HPPE is a selective inhibitor of Bach1 that acts non-electrophilically. HPPE targets the heme-binding sites on the Bach1 protein and leads to the alleviation of Bach1-mediated repression.
Targets(IC50)	Others,Mitochondrial Metabolism

Solubility Information

Solubility	Ethanol: 3.6 mg/mL (7.51 mM),Sonication is recommended. DMSO: 55 mg/mL (114.71 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0856 mL	10.428 mL	20.8559 mL
5 mM	0.4171 mL	2.0856 mL	4.1712 mL
10 mM	0.2086 mL	1.0428 mL	2.0856 mL
50 mM	0.0417 mL	0.2086 mL	0.4171 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

Attucks, et al. Methods of inhibiting osteoclastogenesis and osteoclast activity using fused imidazole derivatives. WO2020117886 A1

Ahuja M, et al. Bach1 derepression is neuroprotective in a mouse model of Parkinson's disease. Proc Natl Acad Sci U S A. 2021 Nov 9;118(45):e2111643118.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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