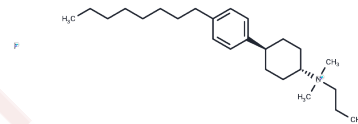


VT-ME6

Chemical Properties

CAS No. : 1353880-00-8
 Formula: C₂₅H₄₄N
 Molecular Weight: 485.54
 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	VT-ME6 is a potent and selective sphingosine kinase 2 inhibitor. VT-ME6, contained a quaternary ammonium group as a warhead and established that a positively charged moiety is necessary for engaging key amino acid residues in the enzyme binding pocket. 13,14 This compound is moderately potent (K _i = 8 μM) and displays three-fold selectivity for SphK2 over SphK1. Sphingosine-1-phosphate (S1P) is a ubiquitous, endogenous small molecule that is synthesized by two isoforms of sphingosine kinase (SphK1 and 2). Intervention of the S1P signaling pathway has attracted significant attention because alteration of S1P levels is linked to several disease states including cancer, fibrosis, and sickle cell disease.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0596 mL	10.2978 mL	20.5956 mL
5 mM	0.4119 mL	2.0596 mL	4.1191 mL
10 mM	0.206 mL	1.0298 mL	2.0596 mL
50 mM	0.0412 mL	0.206 mL	0.4119 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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