

RB-005

Chemical Properties

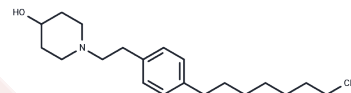
CAS No. : 1425049-20-2

Formula: C₂₁H₃₅NO

Molecular Weight: 317.51

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	RB-005 is a potent sphingosine kinase isoform 1 (SK1) inhibitor, which may serve as therapeutic agent for proliferative diseases, including hypertension. RB-005, (IC ₅₀) = 3.6 μM), which also induced proteasomal degradation of SK1 in human pulmonary arterial smooth muscle cells.
Targets(IC ₅₀)	Others,S1P Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1495 mL	15.7475 mL	31.4951 mL
5 mM	0.6299 mL	3.1495 mL	6.299 mL
10 mM	0.315 mL	1.5748 mL	3.1495 mL
50 mM	0.063 mL	0.315 mL	0.6299 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

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