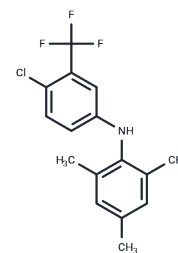


MAY0132

Chemical Properties

CAS No. :	1895861-88-7
Formula:	C ₁₆ H ₁₅ ClF ₃ N
Molecular Weight:	313.75
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	MAY0132 is a and highly selective inhibitor of exchange protein directly activated by cAMP 2 (EPAC2) with a measured IC ₅₀ of 0.4 μM, demonstrating over 100-fold selectivity over the EPAC1 isoform and exhibiting broad-spectrum antiviral efficacy against respiratory viruses including RSV, HMPV, and Adv.
Targets(IC ₅₀)	NF-κB,RSV
In vitro	In biochemical and A549 cell assays, MAY0132 (10-50 μM) acted as an EPAC2 inhibitor and significantly reduced RSV viral titers and replication [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1873 mL	15.9363 mL	31.8725 mL
5 mM	0.6375 mL	3.1873 mL	6.3745 mL
10 mM	0.3187 mL	1.5936 mL	3.1873 mL
50 mM	0.0637 mL	0.3187 mL	0.6375 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

Choi EJ, et al. Broad Impact of Exchange Protein Directly Activated by cAMP 2 (EPAC2) on Respiratory Viral Infections. *Viruses*. 2021 Jun 21;13(6):1179.

Wild CT, et al. Functionalized N,N-Diphenylamines as Potent and Selective EPAC2 Inhibitors. *ACS Med Chem Lett*. 2016 Mar 28;7(5):460-4.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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