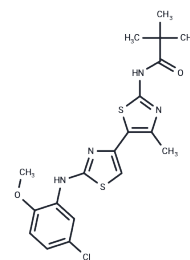


CFTR corrector 12

Chemical Properties

CAS No. :	958941-60-1
Formula:	C ₁₉ H ₂₁ ClN ₄ O ₂ S ₂
Molecular Weight:	436.98
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	CFTR corrector 12 is a CFTR corrector that rescues all mutant proteins except M760R ABCA3, and can be used to study cystic fibrosis.
Targets(IC50)	CFTR
In vitro	The CFTR corrector 12, when applied at a concentration of 15 μM for 72 hours, is capable of restoring α-sarcoglycan levels in cells harboring the L31P/V247M α-SG mutations[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2884 mL	11.4422 mL	22.8843 mL
5 mM	0.4577 mL	2.2884 mL	4.5769 mL
10 mM	0.2288 mL	1.1442 mL	2.2884 mL
50 mM	0.0458 mL	0.2288 mL	0.4577 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

Ribaudo G, et al. Synthesis and Evaluation of Bithiazole Derivatives As Potential α-Sarcoglycan Correctors. ACS Med Chem Lett. 2023 Jul 28;14(8):1049-1053.

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