

CFTR corrector 2

Chemical Properties

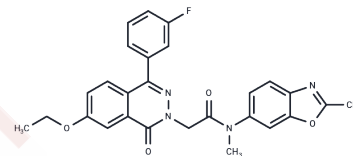
CAS No. : 1628416-28-3

Formula: C₂₇H₂₃FN₄O₄

Molecular Weight: 486.49

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 2 (FDL169) is a novel and potent CFTR (Cystic fibrosis transmembrane conductance regulator) corrector for treating cystic fibrosis (CF) patients who carry the F508del mutation.
Targets(IC50)	CFTR, Autophagy

Solubility Information

Solubility	DMSO: 30 mg/mL (61.67 mM), Sonication is recommended. H ₂ O: Insoluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0555 mL	10.2777 mL	20.5554 mL
5 mM	0.4111 mL	2.0555 mL	4.1111 mL
10 mM	0.2056 mL	1.0278 mL	2.0555 mL
50 mM	0.0411 mL	0.2056 mL	0.4111 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

Gross N. The COPD Pipeline XXXII. Chronic Obstr Pulm Dis. 2016 Jul 14;3(3):688-692.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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