

GLPG2451

Chemical Properties

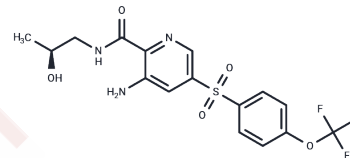
CAS No. : 2055015-61-5

Formula: C₁₆H₁₆F₃N₃O₅S

Molecular Weight: 419.38

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	GLPG2451 is a cystic fibrosis transmembrane conductance regulator (CFTR) potentiator that effectively enhances the function of low-temperature-rescued F508del CFTR with an EC ₅₀ of 11.1 nM.
Targets(IC ₅₀)	Cysteine Protease

Solubility Information

Solubility	DMSO: 270 mg/mL (643.81 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3845 mL	11.9224 mL	23.8447 mL
5 mM	0.4769 mL	2.3845 mL	4.7689 mL
10 mM	0.2384 mL	1.1922 mL	2.3845 mL
50 mM	0.0477 mL	0.2384 mL	0.4769 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.

Reference

Gees M, et al. Identification and Characterization of Novel CFTR Potentiators. Front Pharmacol. 2018 Oct 26;9:1221.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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