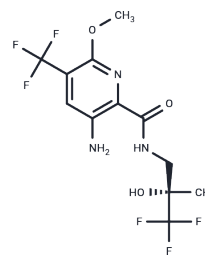


Icenticaftor

Chemical Properties

CAS No. :	1334546-77-8
Formula:	C ₁₂ H ₁₃ F ₆ N ₃ O ₃
Molecular Weight:	361.24
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	Icenticaftor (QBW251) is an orally active potentiator of the CFTR channel.
Targets(IC50)	CFTR

Solubility Information

Solubility	DMSO: 150 mg/mL (415.24 mM), Sonication and heating to 60°C are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7682 mL	13.8412 mL	27.6824 mL
5 mM	0.5536 mL	2.7682 mL	5.5365 mL
10 mM	0.2768 mL	1.3841 mL	2.7682 mL
50 mM	0.0554 mL	0.2768 mL	0.5536 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

Darren Le Grand, et al. Discovery of Icenticaftor (QBW251), a Cystic Fibrosis Transmembrane Conductance Regulator Potentiator with Clinical Efficacy in Cystic Fibrosis and Chronic Obstructive Pulmonary Disease. *J Med Chem.* 2021 Jun 10;64(11):7241-7260.

Steven M Rowe, et al. Efficacy and Safety of the CFTR Potentiator Icenticaftor (QBW251) in COPD: Results from a Phase 2 Randomized Trial. *Int J Chron Obstruct Pulmon Dis.* 2020 Oct 5;15:2399-2409.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481