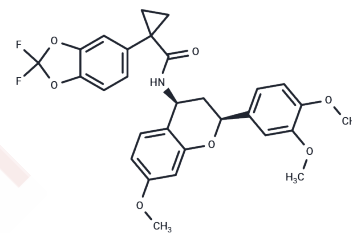


## CFTR corrector 8

## Chemical Properties

CAS No. :	1918142-35-4
Formula:	C <sub>29</sub> H <sub>27</sub> F <sub>2</sub> N <sub>3</sub> O <sub>7</sub>
Molecular Weight:	539.52
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 8 is a highly effective modulator of the cystic fibrosis transmembrane conductance regulator (CFTR). This compound is specifically designed for utilization in research related to cystic fibrosis, a genetic disorder primarily affecting the lungs and digestive system [1].
Targets(IC50)	CFTR
In vitro	CFTR corrector 8 demonstrates EC <sub>50</sub> values of 1 μM in the CSE-HRP assay and 3 μM in the HBE-TECC assay.[1] CFTR corrector 8 displays a hepatocyte clearance rate of 1250 L/hr/kg in humans and 775 L/hr/kg in rats.[1]

## Solubility Information

Solubility	DMSO: 10 mg/mL (18.53 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8535 mL	9.2675 mL	18.535 mL
5 mM	0.3707 mL	1.8535 mL	3.707 mL
10 mM	0.1853 mL	0.9267 mL	1.8535 mL
50 mM	0.0371 mL	0.1853 mL	0.3707 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

Wang X, et al. Discovery of 4-[(2R,4R)-4-([1-(2,2-Difluoro-1,3-benzodioxol-5-yl)cyclopropyl]carbonyl)amino]-7-(difluoromethoxy)-3,4-dihydro-2H-chromen-2-yl]benzoic Acid (ABBV/GLPG-2222), a Potent Cystic Fibrosis Transmembrane Conductance Regulator (CFTR) Corrector for the Treatment of Cystic Fibrosis. J Med Chem. 2018;61(4):1436-1449.

**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