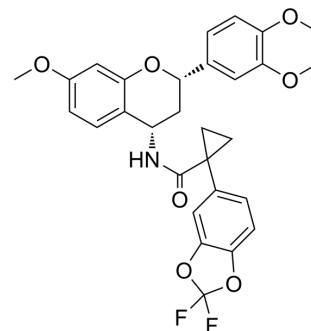


CFTR corrector 8

Cat. No.:	HY-147249		
CAS No.:	1918142-35-4		
Molecular Formula:	C ₂₉ H ₂₇ F ₂ NO ₇		
Molecular Weight:	539.52		
Target:	CFTR		
Pathway:	Membrane Transporter/Ion Channel		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 110 mg/mL (203.88 mM; Need ultrasonic)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	1.8535 mL	9.2675 mL	18.5350 mL	
5 mM	0.3707 mL	1.8535 mL	3.7070 mL	
10 mM	0.1853 mL	0.9267 mL	1.8535 mL	

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

CFTR corrector 8 is a potent CFTR modulator. CFTR can be used in the research of cystic fibrosis^[1].

In Vitro

CFTR corrector 8 (compound 12) shows EC₅₀s of 1 μM (CSE-HRP assay) and 3 μM (HBE-TECC assay)^[1].

CFTR corrector 8 exhibits hepatocyte clearance rate of 1250/775 L/hr/kg (human/rat)^[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. 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 Feb 22;61(4):1436-1449.

Caution: Product has not been fully validated for medical applications. For research use only.

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