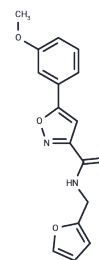


CFTR corrector 9

Chemical Properties

CAS No. :	909861-78-5
Formula:	C ₁₆ H ₁₄ N ₂ O ₄
Molecular Weight:	298.29
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 9, a cystic fibrosis transmembrane conductance regulator (CFTR) modulator, is employed in the research of cystic fibrosis (CF) and related CFTR-associated disorders [1].
Targets(IC50)	CFTR

Solubility Information

Solubility	DMSO: 112.5 mg/mL (377.15 mM), Sonication and heating to 80°C are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3524 mL	16.7622 mL	33.5244 mL
5 mM	0.6705 mL	3.3524 mL	6.7049 mL
10 mM	0.3352 mL	1.6762 mL	3.3524 mL
50 mM	0.067 mL	0.3352 mL	0.6705 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

Bradley Tait, et al. Methods of modulating cftr activity. WO2014210159A1.

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