CFTR corrector 9

Cat. No.: HY-147315

CAS No.: 909861-78-5

Molecular Formula: $C_{16}H_{14}N_2O_4$

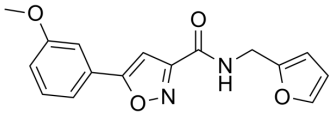
Molecular Weight: 298.29

Target: CFTR

Pathway: Membrane Transporter/Ion Channel

Storage: 4°C, protect from light

* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (419.06 mM; ultrasonic and warming and heat to 80°C)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	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

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

BIOLOGICAL ACTIVITY

Description

CFTR corrector 9 (compound 42) is a cystic fibrosis transmembrane conductance regulator (CFTR) modulator. CFTR corrector 9 can be used for researching cystic fibrosis (CF) and other CFTR associated disorders[1].

IC_{50} & Target

CFTR[1]

REFERENCES

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

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

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