CFM 1571 hydrochloride

Cat. No.: HY-107546

CAS No.: 1215548-30-3

Molecular Formula: $C_{23}H_{29}ClN_4O_3$

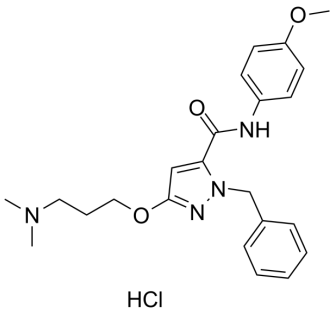
Molecular Weight: 444.95

Target: Guanylate Cyclase

Pathway: GPCR/G Protein

Storage: 4°C, sealed storage, away from moisture

* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (224.74 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	2.2474 mL	11.2372 mL	22.4744 mL
	5 mM	0.4495 mL	2.2474 mL	4.4949 mL
	10 mM	0.2247 mL	1.1237 mL	2.2474 mL

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

BIOLOGICAL ACTIVITY

Description

CFM 1571 hydrochloride is the stimulator of the nitric oxide receptor, soluble guanylate cyclase (sGC) with an EC_{50} and IC_{50} of 5.49 μM and 2.84 μM, respectively. Soluble guanylate cyclase (sGC) is a key signal-transduction enzyme activated by nitric oxide (NO). CFM 1571 hydrochloride has the potential for the research of cardiovascular and other diseases[1][2].

IC_{50} & Target

sGC[1][2]

REFERENCES

[1]. Selwood DL, et al. Synthesis and biological evaluation of novel pyrazoles and indazoles as activators of the nitric oxide receptor, soluble guanylate cyclase. J Med Chem. 2001;44(1):78-93.

[2]. Evgenov OV, et al. NO-independent stimulators and activators of soluble guanylate cyclase: discovery and therapeutic potential. Nat Rev Drug Discov. 2006;5(9):755-768.

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

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA