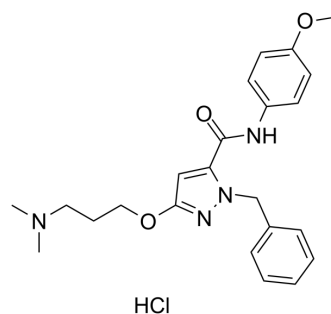


CFM 1571 hydrochloride

Cat. No.:	HY-107546
CAS No.:	1215548-30-3
Molecular Formula:	C ₂₃ H ₂₉ ClN ₄ O 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)



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.

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