SSTR5 antagonist 2 hydrochloride

Cat. No.: HY-114191B

CAS No.: 2988224-31-1

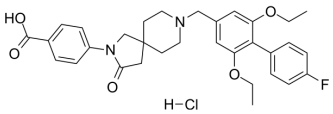
Molecular Formula: $C_{32}H_{36}ClFN_2O_5$

Molecular Weight: 583.09

Target: Somatostatin Receptor

Pathway: GPCR/G Protein; Neuronal Signaling

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 : 33.33 mg/mL (57.16 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	1.7150 mL	8.5750 mL	17.1500 mL
	5 mM	0.3430 mL	1.7150 mL	3.4300 mL
	10 mM	0.1715 mL	0.8575 mL	1.7150 mL

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

BIOLOGICAL ACTIVITY

Description

SSTR5 antagonist 2 hydrochloride is a highly potent, oral active and selective somatostatin (receptor) subtype 5 (SSTR5) antagonist and has potential for the research of type 2 diabetes mellitus (T2DM)[1].

In Vivo

SSTR5 antagonist 2 (compound 10) (10 mg/kg, orally) hydrochloride increases both total and active circulating incretin hormone GLP1 levels in mice at a dose of 10 mg/kg[1].

SSTR5 antagonist 2 hydrochloride increases pancreatic insulin secretion as well as total and active GLP1 release, and demonstrates synergistic effects in combination with DPP4 inhibitors[1].

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

REFERENCES

[1]. Liu W, et al. Discovery and Pharmacology of a Novel Somatostatin Subtype 5 (SSTR5) Antagonist: Synergy with DPP-4 Inhibition. ACS Med Chem Lett. 2018;9(11):1082-1087. Published 2018 Sep 12.

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

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