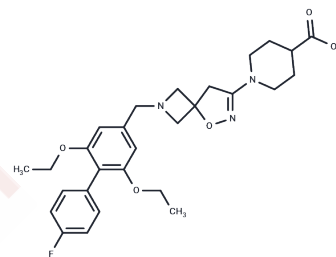


SSTR5 antagonist 1

Chemical Properties

CAS No. :	1628741-91-2
Formula:	C ₂₈ H ₃₄ FN ₃ O ₅
Molecular Weight:	511.59
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	SSTR5 antagonist 1 is a selective, and orally available antagonist of somatostatin receptor subtype 5 (SSTR5)(IC ₅₀ s of 9.6 and 57 nM for hSSTR5 and mSSTR5,
Targets(IC ₅₀)	Others,Somatostatin

Solubility Information

Solubility	DMSO: 90 mg/mL (175.92 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 3.3 mg/mL (6.45 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9547 mL	9.7735 mL	19.5469 mL
5 mM	0.3909 mL	1.9547 mL	3.9094 mL
10 mM	0.1955 mL	0.9773 mL	1.9547 mL
50 mM	0.0391 mL	0.1955 mL	0.3909 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

Hirose H, et al. Discovery of novel 5-oxa-2,6-diazaspiro[3.4]oct-6-ene derivatives as potent, selective, and orally available somatostatin receptor subtype 5 (SSTR5) antagonists for treatment of type 2 diabetes mellitus. *Bioorg Med Chem.* 2017 Aug 1;25(15):4175-4193.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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