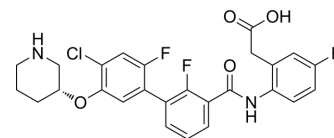


SUCNR1-IN-1

Cat. No.:	HY-154946		
CAS No.:	2711753-52-3		
Molecular Formula:	C ₂₆ H ₂₂ ClF ₃ N ₂ O ₄		
Molecular Weight:	518.91		
Target:	Succinate Receptor 1		
Pathway:	GPCR/G Protein		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (192.71 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.9271 mL	9.6356 mL	19.2712 mL
	5 mM	0.3854 mL	1.9271 mL	3.8542 mL
	10 mM	0.1927 mL	0.9636 mL	1.9271 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: 2.5 mg/mL (4.82 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: 2.5 mg/mL (4.82 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: 2.5 mg/mL (4.82 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

SUCNR1-IN-1 (Compound 20) is a SUCNR1 inhibitor (IC₅₀: 88 nM for hSUCNR1). SUCNR1-IN-1 can be used for research of rheumatoid arthritis, liver fibrosis, or obesity^[1].

REFERENCES

[1]. Velcicky J, et al. Discovery and Optimization of Novel SUCNR1 Inhibitors: Design of Zwitterionic Derivatives with a Salt Bridge for the Improvement of Oral Exposure. J Med Chem. 2020 Sep 10;63(17):9856-9875.

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

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