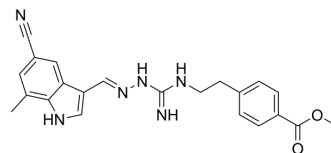


RXFP3/4 agonist 2

Cat. No.:	HY-145278
CAS No.:	2752378-78-0
Molecular Formula:	C ₂₂ H ₂₂ N ₆ O ₂
Molecular Weight:	402.45
Target:	RXFP Receptor
Pathway:	GPCR/G Protein
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (248.48 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.4848 mL	12.4239 mL	24.8478 mL
5 mM	0.4970 mL	2.4848 mL	4.9696 mL
10 mM	0.2485 mL	1.2424 mL	2.4848 mL

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

BIOLOGICAL ACTIVITY

Description

RXFP3/4 agonist 2 is a potent, nonpeptide dual RXFP3/4 agonist (EC₅₀=3.1 and 2.7 nM). RXFP3/4 agonist 2 also potently promotes interactions between RXFP3 and β-arrestin-2 with EC₅₀ values in the range of 10-22 nM^[1].

REFERENCES

[1]. Guan D, et al. Indole-Containing Amidinohydrazone as Nonpeptide, Dual RXFP3/4 Agonists: Synthesis, Structure-Activity Relationship, and Molecular Modeling Studies. *J Med Chem.* 2021;64(24):17866-17886.

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