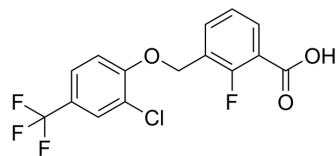


MRGPRX4 modulator-2

Cat. No.:	HY-147051		
CAS No.:	2492595-24-9		
Molecular Formula:	C ₁₅ H ₉ ClF ₄ O ₃		
Molecular Weight:	348.68		
Target:	Mas-related G-protein-coupled Receptor (MRGPR)		
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 : 50 mg/mL (143.40 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.8680 mL	14.3398 mL	28.6796 mL
5 mM	0.5736 mL	2.8680 mL	5.7359 mL
10 mM	0.2868 mL	1.4340 mL	2.8680 mL

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

BIOLOGICAL ACTIVITY

Description

MRGPRX4 modulator-2 (compound 1-55) is a potent MRGPR X4 modulator, possessing antagonist activity against MRGPR X4 with an IC₅₀ < 100 nM. MRGPRX4 modulator-2 can be used for researching autoimmune diseases such as psoriasis, multiple sclerosis, Steven Johnson's Syndrome, and other chronic itch conditions^[1].

IC₅₀ & Target

IC₅₀: < 100 nM (MRGPR X4)^[1]

REFERENCES

[1]. Adam YEAGER, et al. Modulators of mas-related g-protein receptor x4 and related products and methods. WO2020198537A1 (compound 1-55)

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

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