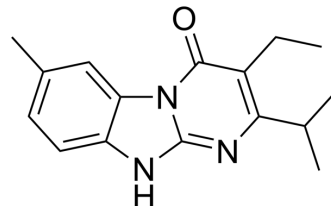


MrgprX2 antagonist-4

Cat. No.:	HY-145194
CAS No.:	2641398-04-9
Molecular Formula:	C ₁₆ H ₁₉ N ₃ O
Molecular Weight:	269.34
Target:	Mas-related G-protein-coupled Receptor (MRGPR)
Pathway:	GPCR/G Protein
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 5 mg/mL (18.56 mM); ultrasonic and warming and heat to 60°C						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	3.7128 mL	18.5639 mL	37.1278 mL
				5 mM	0.7426 mL	3.7128 mL	7.4256 mL
				10 mM	0.3713 mL	1.8564 mL	3.7128 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 0.5 mg/mL (1.86 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	MrgprX2 antagonist-4 is an MrgprX2 antagonist extracted from patent US20210128561A1, compound B-51 E117. MrgprX2 antagonist-4 can be used for the research of inflammatory disorders of the skin ^[1] .
IC ₅₀ & Target	MrgprX2 ^[1]
In Vitro	MRGPRX2, a member of the Mas-related gene family, was found to be expressed in sensory neurons, mast cells and, most recently, in keratinocytes. MRGPRX2 mRNA is present in adipose tissue, esophagus, urinary bladder, lungs with the highest levels found in skin. Activation of MRGPRX2 leads to mast cell degranulation with subsequent pseudo-allergic reactions ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Müller C, et, al. MRGX Receptor Antagonists. US20210128561A1.

[2]. Porebski G, et, al. Mas-Related G Protein-Coupled Receptor-X2 (MRGPRX2) in Drug Hypersensitivity Reactions. Front Immunol. 2018 Dec 20;9:3027.

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

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