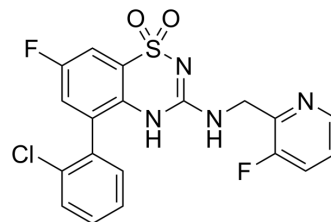


MrgprX2 antagonist-5

Cat. No.:	HY-145195
CAS No.:	2527815-74-1
Molecular Formula:	C ₁₉ H ₁₃ ClF ₂ N ₄ O ₂ S
Molecular Weight:	434.85
Target:	Mas-related G-protein-coupled Receptor (MRGPR)
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	MrgprX2 antagonist-5 is an MrgprX2 antagonist extracted from patent WO2020223255A1, example 16. MrgprX2 antagonist-5 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]. BIGI S, et, al. 3-amino-4h-benzo[e][1,2,4]thiadiazine 1,1-dioxide derivatives as inhibitors of mrgx2. WO2020223255A1.
- [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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