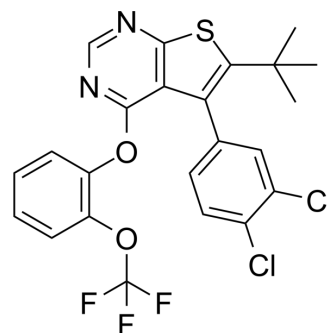


## MRGPRX1 agonist 4

Cat. No.:	HY-143880
Molecular Formula:	C <sub>23</sub> H <sub>17</sub> Cl <sub>2</sub> F <sub>3</sub> N <sub>2</sub> O <sub>2</sub> S
Molecular Weight:	513.36
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	MRGPRX1 agonist 4 (compound 1t) is a potent and orally active Mas-related G protein-coupled receptor X1 (MRGPRX1) positive allosteric modulator with an EC <sub>50</sub> value of 0.1 μM. MRGPRX1 agonist 4 has good metabolic stability and oral bioavailability. MRGPRX1 agonist 4 can reduce behavioral heat hypersensitivity in a neuropathic pain model humanized MRGPRX1 mice. MRGPRX1 agonist 4 can be used for researching neuropathic pain <sup>[1]</sup> .
IC <sub>50</sub> & Target	EC <sub>50</sub> : 0.1 μM (MRGPRX1) <sup>[1]</sup>

### REFERENCES

[1]. Berhane I, et al. Thieno[2,3-d]pyrimidine-Based Positive Allosteric Modulators of Human Mas-Related G Protein-Coupled Receptor X1 (MRGPRX1). *J Med Chem.* 2022;65(4):3218-3228.

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

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