



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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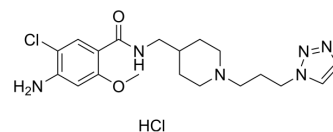
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DA-6886 monohydrochloride

Cat. No.:	HY-19927A
CAS No.:	1645260-76-9
Molecular Formula:	C ₁₉ H ₂₈ Cl ₂ N ₆ O ₂
Molecular Weight:	443.37
Target:	5-HT Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	DA-6886 is a 5-Hydroxytryptamine receptor 4 (5-HT ₄) agonist. DA-6886 induces relaxation of the rat oesophagus preparation in a 5-HT ₄ receptor antagonist-sensitive manner. The evaluation of DA-6886 in CHO cells expressing hERG channels reveals that it inhibits hERG channel current with an pIC ₅₀ value of 4.3, indicating that the compound is 1000-fold more selective for the 5-HT ₄ receptor over hERG channels. DA-6886 can be used in the study of constipated irritable bowel syndrome ^{[1][2]} .
IC ₅₀ & Target	5-HT ₄ Receptor 4.3 (pIC ₅₀)

REFERENCES

- [1]. Lee D Y, et al. Pharmacokinetics of DA-6886, a new 5-HT₄ receptor agonist, in rats[J]. *Pharmaceutics*, 2022, 14(4): 702.
- [2]. Lee M J, et al. Pharmacological profile of DA-6886, a novel 5-HT₄ receptor agonist to accelerate colonic motor activity in mice[J]. *European Journal of Pharmacology*, 2014, 735: 115-122.

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

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