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Produktinformation



Forschungsprodukte & Biochemikalien



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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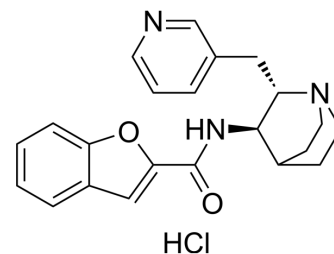
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Bradanicline hydrochloride

Cat. No.:	HY-18060A
CAS No.:	1111941-90-2
Molecular Formula:	C ₂₂ H ₂₄ ClN ₃ O ₂
Molecular Weight:	397.9
Target:	nAChR
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Bradanicline hydrochloride (TC-5619 hydrochloride) is the hydrochloride salt form of Bradanicline (HY-18060). Bradanicline hydrochloride is a selective agonist for $\alpha 7$ nicotinic acetylcholine receptor (nAChR), with EC ₅₀ of 17 nM for human $\alpha 7$ nAChR and K _i of 1.4 nM. Bradanicline hydrochloride is used for the research of cognitive disorders and schizophrenia ^{[1][2]} .
IC ₅₀ & Target	EC ₅₀ : 17 nM (human $\alpha 7$ nAChR) K _i : 1.4 nM (human $\alpha 7$ nAChR)

REFERENCES

[1]. Mazurov AA, et al. Discovery of (2S,3R)-N-[2-(pyridin-3-ylmethyl)-1-azabicyclo[2.2.2]oct-3-yl]benzo[b]furan-2-carboxamide (TC-5619), a selective $\alpha 7$ nicotinic acetylcholine receptor agonist, for the treatment of cognitive disorders. *J Med Chem.* 2012;55(22):9793-9809.

[2]. Hauser TA, et al. TC-5619: an $\alpha 7$ neuronal nicotinic receptor-selective agonist that demonstrates efficacy in animal models of the positive and negative symptoms and cognitive dysfunction of schizophrenia. *Biochem Pharmacol.* 2009;78(7):803-812.

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

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