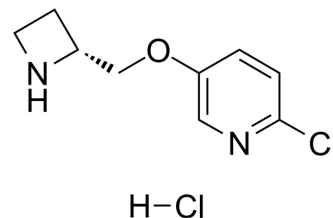


Tebanicline hydrochloride

Cat. No.:	HY-14316B
CAS No.:	203564-54-9
Molecular Formula:	C ₉ H ₁₂ Cl ₂ N ₂ O
Molecular Weight:	235.11
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 Tebanicline hydrochloride (Ebanicline hydrochloride) is a nAChR modulator with potent, orally effective analgesic activity. Tebanicline hydrochloride inhibits the binding of cytosine to $\alpha 4\beta 2$ neuronal nAChRs with a K_i of 37 μM ^[1].

REFERENCES

- [1]. Donnelly-Roberts DL, et al. ABT-594 [(R)-5-(2-azetidylmethoxy)-2-chloropyridine]: a novel, orally effective analgesic acting via neuronal nicotinic acetylcholine receptors: I. In vitro characterization. *J Pharmacol Exp Ther.* 1998 May;285(2):777-86.
- [2]. Bannon AW, et al. ABT-594 [(R)-5-(2-azetidylmethoxy)-2-chloropyridine]: a novel, orally effective antinociceptive agent acting via neuronal nicotinic acetylcholine receptors: II. In vivo characterization. *J Pharmacol Exp Ther.* 1998 May;285(2):787-94.
- [3]. Decker MW, et al. Antinociceptive effects of the novel neuronal nicotinic acetylcholine receptor agonist, ABT-594, in mice. *Eur J Pharmacol.* 1998 Apr 3;346(1):23-33.
- [4]. Decker MW, et al. The role of neuronal nicotinic acetylcholine receptors in antinociception: effects of ABT-594. *J Physiol Paris.* 1998 Jun-Aug;92(3-4):221-4.

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

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