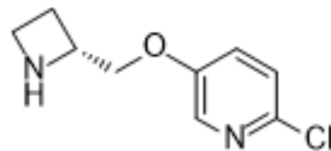


## Tebanicline

|                    |   |
|--------------------|---|
| Cat. No.:          | HY-14316  |
| CAS No.:           | 198283-73-7   |
| Molecular Formula: | C <sub>9</sub> H <sub>11</sub> ClN <sub>2</sub> O   |
| Molecular Weight:  | 198.65  |
| 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, an analogue of epibatidine, is a neuronal nicotinic acetylcholine receptor agonist. Tebanicline exhibits potent antinociceptive effects and has a high affinity for the  $\alpha 4\beta 2$  neuronal nicotinic acetylcholine receptor subunit in the central nervous system.

### REFERENCES

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- [2]. 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.
- [3]. 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.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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