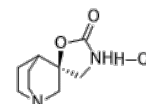


Product Name : AR-R17779 hydrochloride
Cat. No. : PC-25934
CAS No. : 178419-42-6
Molecular Formula : C₉H₁₅ClN₂O₂
Molecular Weight : 218.68
Target : nAChR
Solubility : 10 mM in DMSO



Biological Activity

AR-R17779 hydrochloride is a potent, selective and full $\alpha 7$ nicotinic acetylcholine receptor ($\alpha 7$ nAChR) agonist with K_i of 92 nM, >150-fold selective over $\alpha 4\beta 2$ subtype.

AR-R17779 hydrochloride improves learning in two radial-arm maze tasks and reversed working memory impairment caused by fimbria-fornix sections.

AR-R17779 hydrochloride also has anxiolytic activity.

AR-R17779 hydrochloride can reduce inflammation by activating antiinflammatory cholinergic (vagal) pathways.

References

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Van Kampen M, et al. Psychopharmacology (Berl). 2004 Apr;172(4):375-83.

Mullen G, et al. J Med Chem. 2000 Nov 2;43(22):4045-50.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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