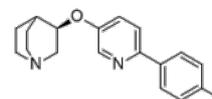


Product Name : AQW-051
Cat. No. : PC-61600
CAS No. : 669770-29-0
Molecular Formula : C₁₉H₂₂N₂O
Molecular Weight : 294.398
Target : nAChR
Solubility : 10 mM in DMSO



Biological Activity

AQW-051 (VQW-765) is a novel, potent and selective, orally bioavailable, brain-penetrant **α7 nAChR partial agonist** with pK_d of 7.56.

AQW-051 displays high selectivity (>100-fold) over other nACh receptors.

AQW-051 stimulates calcium influx in GH3-ha7-22 cells recombinantly expressing the human α7-nACh receptor with pEC₅₀ of 7.41.

AQW-051 facilitates learning/memory performance in mice; reduces l-Dopa-induced dyskinesias and extends the duration of l-Dopa effects in parkinsonian monkeys.

References

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Beinat C, et al. *CNS Drugs*. 2015 Jul;29(7):529-42.

Trenkwalder C, et al. *Mov Disord*. 2016 Jul;31(7):1049-54.

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

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