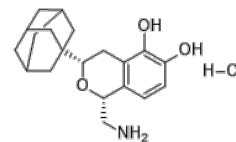


Product Name : A-77636 hydrochloride
Cat. No. : PC-22227
CAS No. : 145307-34-2
Molecular Formula : C₂₀H₂₈ClNO₃
Molecular Weight : 365.90
Target : Dopamine Receptor
Solubility : 10 mM in DMSO



Biological Activity

A-77636 hydrochloride is a potent, selective, orally active and long acting dopamine D1 receptor agonist with K_i of 39.8 nM.

A-77636 is an agonist at the dopamine D1 receptors in the fish retina with EC₅₀ of 1.1 nM.

A-77636 is functionally inactive at dopamine D2 receptors (EC₅₀>10 μM).

A-77636 increases locomotor activity and decreases the severity of the parkinsonian-like symptoms in marmosets treated with MPTP to induce a parkinsonian-like state in rats and mice.

References

Acquas E, et al. Eur J Pharmacol. 1994 Jul 21;260(1):85-7.

Asin KE, et al. Brain Res. 1994 Feb 21;637(1-2):342-4.

Kebabian JW, et al. Eur J Pharmacol. 1992 Dec 15;229(2-3):203-9.

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

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