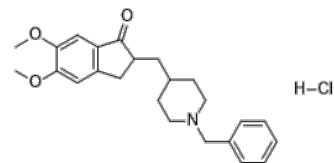


Product Name : Donepezil hydrochloride
Cat. No. : PC-27408
CAS No. : 120011-70-3
Molecular Formula : C₂₄H₃₀ClNO₃
Molecular Weight : 415.96
Target : Acetylcholinesterase (AChE)
Solubility : 10 mM in DMSO



Biological Activity

Donepezil hydrochloride (E2020) is a potent, specific acetylcholinesterase (AChE) inhibitor with IC₅₀ of 8.12 nM and 11.6 nM for bovine AChE and human AChE, respectively.

Donepezil (E2020) exerts a protective action against acute diisopropylfluorophosphate-poisoning in the mouse.

References

Galli A, et al. Eur J Pharmacol. 1994 Apr 4;270(2-3):189-93.

Ohnishi A, et al. J Clin Pharmacol. 1993 Nov;33(11):1086-91.

Misson J, et al. J Clin Pharm Ther. 1997 Aug;22(4):251-5.

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

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