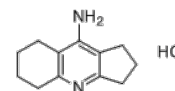


Product Name : Ipidacrine hydrochloride
Cat. No. : PC-62460
CAS No. : 90043-86-0
Molecular Formula : C₁₂H₁₇ClN₂
Molecular Weight : 224.732
Target : Acetylcholinesterase (AChE)
Solubility : 10 mM in DMSO



Biological Activity

Ipidacrine hydrochloride (NIK 247) is a reversible **acetylcholinesterase** (AChE) inhibitor that directly stimulates impulse transmission in the central nervous system and neuromuscular synapses by blocking membrane **potassium channels**. Ipidacrine enhances not only choline, but also adrenaline, serotonin, histamine, and oxytocin effects on smooth muscle.

References

- Nabeshima T, et al. *Eur J Pharmacol*. 1988 Sep 23;154(3):263-9.
Onodera K, et al. *Nihon Shinkei Seishin Yakurigaku Zasshi*. 1998 Apr;18(2):33-7.
Kojima J, et al. *Gen Pharmacol*. 1998 Aug;31(2):297-300.

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

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