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Produktinformation



Forschungsprodukte & Biochemikalien



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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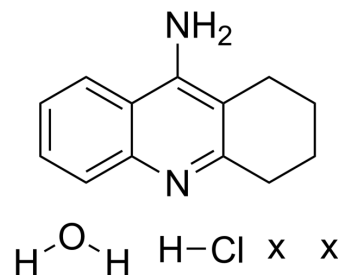
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Tacrine hydrochloride (hydrate) (Standard)

Cat. No.:	HY-B2244R
CAS No.:	206658-92-6
Molecular Formula:	C ₁₃ H ₁₄ N ₂ .xHCl.xH ₂ O
Target:	Cholinesterase (ChE)
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Tacrine (hydrochloride) (hydrate) (Standard) is the analytical standard of Tacrine (hydrochloride) (hydrate). This product is intended for research and analytical applications. Tacrine hydrochloride (hydrate) is an inhibitor of both acetyl (AChE) and butyryl-cholinesterase (BChE) with IC ₅₀ s of 31 nM and 25.6 nM, respectively.
IC₅₀ & Target	IC ₅₀ : 31 nM (AChE), 25.6 nM (BChE)

REFERENCES

- [1]. Ahmed M, et al. Inhibition of two different cholinesterases by tacrine. Chem Biol Interact. 2006 Aug 25;162(2):165-71.
- [2]. Grasing K, et al. Enduring effects of tacrine on cocaine-reinforced behavior: Analysis by conditioned-place preference, temporal separation from drug reward, and reinstatement. Pharmacol Res. 2015 Jul;97:40-7.

Caution: Product has not been fully validated for medical applications. For research use only.

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