

Besipirdine hydrochloride

Chemical Properties

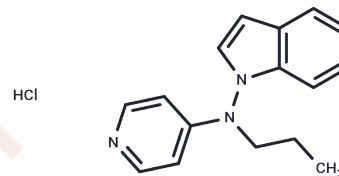
CAS No. : 130953-69-4

Formula: C₁₆H₁₈ClN₃

Molecular Weight: 287.79

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Besipirdine hydrochloride is a non-receptor-dependent cholinomimetic compound with alpha-adrenergic and cardiovascular activities. Besipirdine hydrochloride inhibits voltage-dependent sodium-potassium channels and inhibits biogenic amine uptake. Besipirdine hydrochloride reduces schedule-induced thirst and enhances cholinergic and adrenergic neurotransmission in the central nervous system in rats.
Targets(IC50)	Adrenergic Receptor, Potassium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4748 mL	17.3738 mL	34.7476 mL
5 mM	0.695 mL	3.4748 mL	6.9495 mL
10 mM	0.3475 mL	1.7374 mL	3.4748 mL
50 mM	0.0695 mL	0.3475 mL	0.695 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Woods-Kettelberger AT, et al. Besipirdine (HP 749) reduces schedule-induced polydipsia in rats. Brain Res Bull. 1996;41(2):125-30.

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