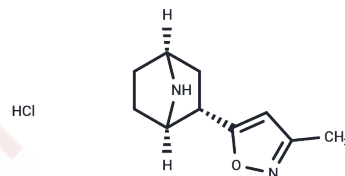


## Epiboxidine hydrochloride

## Chemical Properties

CAS No. :	862909-67-9
Formula:	C <sub>10</sub> H <sub>15</sub> ClN <sub>2</sub> O
Molecular Weight:	214.69
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Epiboxidine hydrochloride, a methylisoxazole analog of the alkaloid Epibatidine and an analog of the nAChR agonist ABT 418 [1], serves as a potent and selective agonist of neural nAChRs, demonstrating K <sub>i</sub> values of 0.46 nM and 1.2 nM for α4β2 nAChRs in rats and humans, respectively.
Targets(IC50)	Others,AChR

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.6579 mL	23.2894 mL	46.5788 mL
5 mM	0.9316 mL	4.6579 mL	9.3158 mL
10 mM	0.4658 mL	2.3289 mL	4.6579 mL
50 mM	0.0932 mL	0.4658 mL	0.9316 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.

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