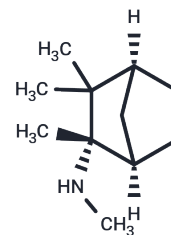


Dexmecamylamine

Chemical Properties

CAS No. :	107538-05-6
Formula:	C ₁₁ H ₂₁ N
Molecular Weight:	167.291
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	Dexmecamylamine ((+)-Mecamylamine) acts as an antagonist of nicotinic acetylcholine receptors (nAChR), effectively inhibiting $\alpha 3\beta 4$, $\alpha 4\beta 2$, $\alpha 7$, and $\alpha 1\beta 1\gamma \delta$ receptors, with an IC ₅₀ in the micromolar range. It also exhibits anxiolytic and antidepressant-like effects.
Targets(IC ₅₀)	AChR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.9776 mL	29.8882 mL	59.7764 mL
5 mM	1.1955 mL	5.9776 mL	11.9553 mL
10 mM	0.5978 mL	2.9888 mL	5.9776 mL
50 mM	0.1196 mL	0.5978 mL	1.1955 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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