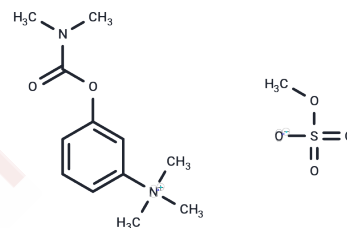


## Neostigmine methyl sulfate

## Chemical Properties

CAS No. :	51-60-5
Formula:	C <sub>13</sub> H <sub>22</sub> N <sub>2</sub> O <sub>6</sub> S
Molecular Weight:	334.39
Appearance:	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

Description	Neostigmine methyl sulfate (Syntostigmin) is a reversible inhibitor of acetylcholinesterase, can not cross the blood-brain barrier, used in the treatment of myasthenia gravis.
Targets(IC50)	AChR,Cholinesterase (ChE)

## Solubility Information

Solubility	DMSO: 55 mg/mL (164.48 mM),Sonication is recommended. H2O: 200.4 mM,Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9905 mL	14.9526 mL	29.9052 mL
5 mM	0.5981 mL	2.9905 mL	5.981 mL
10 mM	0.2991 mL	1.4953 mL	2.9905 mL
50 mM	0.0598 mL	0.2991 mL	0.5981 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.

## Reference

Huang TH, et al. Yao Xue Xue Bao. 1982 Jul;17(7):534-9.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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