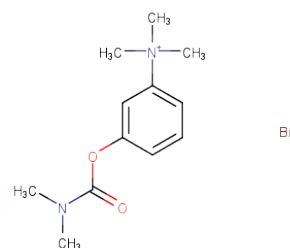


## Neostigmine bromide

## Chemical Properties

CAS No. :	114-80-7
Formula:	C <sub>12</sub> H <sub>19</sub> BrN <sub>2</sub> O <sub>2</sub>
Molecular Weight:	303.2
Appearance:	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

Description	Neostigmine bromide is a cholinesterase inhibitor used in the treatment of myasthenia gravis and to reverse the effects of muscle relaxants such as gallamine and tubocurarine. Neostigmine, unlike PHYSOSTIGMINE, does not cross the blood-brain barrier.
Targets(IC50)	Cholinesterase (ChE)

## Solubility Information

Solubility	DMSO: 38 mg/mL (125.33 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	3.2982 mL	16.4908 mL	32.9815 mL
5 mM	0.6596 mL	3.2982 mL	6.5963 mL
10 mM	0.3298 mL	1.6491 mL	3.2982 mL
50 mM	0.066 mL	0.3298 mL	0.6596 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

Trevisani GT, et al. Dis Colon Rectum. 2000 May;43(5):599-603.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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