



Product Information

Neostigmine bromide

Cat. No.: X23-12-YM090

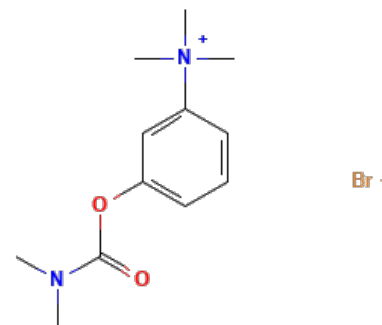
Size: 100 mg; 250 mg; 500 mg; 1000 mg

CAS Number: 114-80-7

PubChem CID: 8246

Synonym: 114-80-7; Prostigmin; Vagostigmin

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	Neostigmine bromide (prostigmin), insoluble in DMSO and ethanol, and soluble in water, interferes with or suppresses the transmission of signals between neurons in the nervous system. It targets AChR.
Molecular Weight	303.2
Molecular Formula	C ₁₂ H ₁₉ BrN ₂ O ₂
Targets	AChR
IUPAC Name	[3-(Dimethylcarbamoyloxy)phenyl]-trimethylazanium;bromide
InChI	InChI=1S/C12H19N2O2.BrH/c1-13(2)12(15)16-11-8-6-7-10(9-11)14(3, 4)5;/h6-9H, 1-5H3;1H/q+1;/p-1
InChI Key	LULNWZDBKTDGK-UHFFFAOYSA-M
Canonical SMILES	CN(C)C(=O)OC1=CC=CC(=C1)[N+](C)(C)C.[Br-]
Form	Lyophilized powder
Purity	>98%
Solubility	DMSO: insoluble; Water: 59 mg/mL (194.58 mM); Ethanol: insoluble
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	Neostigmine bromide can be studied extensively for its ability to reverse the effects of non-depolarizing neuromuscular-blocking agents.
Storage	Store at -20°C, and keep desiccated.