



Product Information

Product ID N1757

CAS No. 114-80-7

Chemical Name 3-(N,N-Dimethylcarbamoyloxy)-N,N,N-trimethyl- anilinium bromide

Synonym Prostigmine

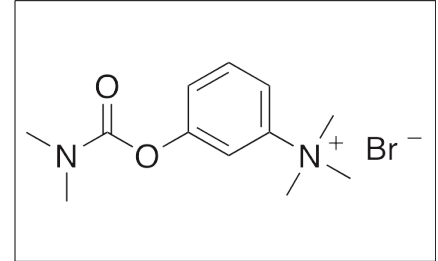
Formula C₁₂H₁₉BrN₂O₂

Formula Wt. 303.20

Melting Point 175-177 °C

Purity ≥92%

Solubility Soluble in water or ethanol.



Bulk quantities available upon request

Product ID	Size
N1757	250 mg
N1757	1 g

Store Temp 4 °C

Ship Temp Ambient

Description Neostigmine is a reversible inhibitor of acetylcholine esterase (AChE) that acts peripherally only. Neostigmine is clinically used to reverse the effects of neuromuscular junction (NMJ) blockers and to treat muscular symptoms of myasthenia gravis. Neostigmine induces muscular contractions in muscle tissue and improves overall muscle tone.

References Dahaba AA, Bornemann H, Hopfgartner E, et al. Effect of sugammadex or neostigmine neuromuscular block reversal on bispectral index monitoring of propofol/remifentanil anaesthesia. *Br J Anaesth.* 2012 Apr;108(4):602-6. PMID: 22315331.

Cellini J, Zaura Jukic AM, LePard KJ. Neostigmine-induced contraction and nitric oxide-induced relaxation of isolated ileum from STZ diabetic guinea pigs. *Auton Neurosci.* 2011 Dec 7;165(2):178-90. PMID: 21880552.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.