



Product Information

Product ID C1878

CAS No. 57-09-0

Chemical Name N,N,N-Trimethyl-1-hexadecanaminium bromide

Synonym Cetrionium Bromide, Bromat, Cetab, Lissolamine V, Micol, Quamonium, Hexadecyltrimethylammonium bromide

Formula C₁₉H₄₂BrN

Formula Wt. 364.45

Melting Point 248-251 °C

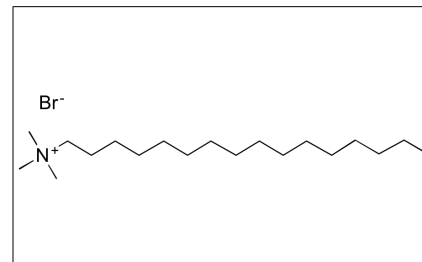
Purity ≥98%

Solubility Soluble in 1 M water at 20°C. Sparingly soluble in acetone.

Store Temp Ambient

Ship Temp Ambient

Description Cetrimide is a mix of quaternary ammonium salts that exhibits antiseptic and anticancer chemotherapeutic activities. Cetrimide acts as a cationic detergent, altering the mitochondrial membrane potential and inducing pore formation in membranes. Cetrimide bromide inhibits H⁺ ATP synthase, inducing mitochondrial membrane depolarization and caspase activation and inhibiting proliferation in cellular and animal models of head and neck cancers.



Bulk quantities available upon request

Product ID	Size
C1878	50 g
C1878	250 g

References Ito E, Yip KW, Katz D, et al. Potential use of cetrionium bromide as an apoptosis-promoting anticancer agent for head and neck cancer. *Mol Pharmacol.* 2009 Nov;76(5):969-83. PMID: 19654225.

Bragadin M, Dell'Antone P. Mitochondrial bioenergetics as affected by cationic detergents. *Arch Environ Contam Toxicol.* 1996 Feb;30(2):280-4. PMID: 8593085.

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