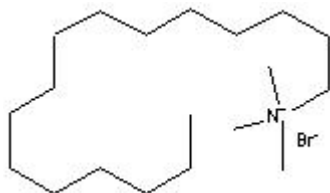


TECHNICAL INFORMATION

Catalog Number: 194004, 195029
Cetyltrimethylammonium bromide

Structure:



Molecular Formula: C₁₉H₄₂BrN

Molecular Weight: 364.5

CAS # 57-09-0

Synonyms: Hexadecyltrimethylammonium bromide; CTAB

Physical Appearance: White to off white powder

Description: A phase transfer catalyst ideal for the precipitation of DNA

Critical Micelle Concentration (CMC): 1 mM Detergents with high CMC values are generally easy to remove by dilution; detergents with low CMC values are advantageous for separations on the basis of molecular weight. As a general rule, detergents should be used at their CMC at a detergent-to-protein weight ratio of approximately ten.^{2,3}

Aggregation Number: 169

Solubility: Freely but slowly soluble in water; Freely soluble in methanol and ethanol; soluble in alcohol

Availability:

Catalog Number	Description	Size
195029	Cetyltrimethylammonium Bromide	5 g 100 g 500 g 1 kg
194004	Cetyltrimethylammonium Bromide, molecular biology reagent	100 g 250 g 500 g 1 kg

References:

- Merck Index, **12th Ed.**, No. 2068
- Womack, M.D., et al., *Biochim. Biophys. Acta*, v. **733**, 210 (1983)
- Matson, R.S. and Goheen, S.C., *LC-GC*, v. **4(7)**, 624 (1986)