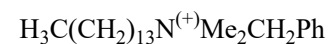




>>Entry Name: **Benzyl dimethyl(tetradecyl)ammonium(1+)**, 8Cl

Synonym(s): *N,N*-Dimethyl-*N*-tetradecylbenzenemethanaminium, 9Cl. Miristalkonium



Molecular Formula: C₂₃H₄₂N⁽⁺⁾

Molecular Weight: 332.591

Accurate Mass: 332.331724

Percentage Composition: C 83.06%; H 12.73%; N 4.21%

>>Derivative: Chloride

Synonym(s): **Miristalkonium chloride**, BAN, INN

CAS Registry Number: 139-08-2

Molecular Formula: C₂₃H₄₂ClN

Molecular Weight: 368.044

Accurate Mass: 367.300576

Percentage Composition: C 75.06%; H 11.50%; Cl 9.63%; N 3.81%

Use/Importance: Antiinfective, surface-active agent

Development Status: No longer marketed

Melting Point: Mp 60-61°

Hazard & Toxicity: Eye and skin irritant

Fluka: 13402

Sigma: B5651

References:

U.S. Pat., 1967, 3 360 563; *CA*, **68**, 38525, (*synth, props*)

Namba, Y. *et al.*, *Kogyo Kagaku Zasshi*, 1971, **74**, 413, (*synth*)

Martindale, The Extra Pharmacopoeia, 30th edn., *Pharmaceutical Press*, 1993, 800

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., *Van Nostrand Reinhold*, 1992, TCA500