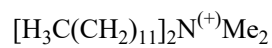




>>Entry Name: Didodecyldimethylammonium(1+), 8Cl

Synonym(s): *N*-Dodecyl-*N,N*-dimethyl-1-dodecanaminium, 9Cl



Molecular Formula: $\text{C}_{26}\text{H}_{56}\text{N}^{(+)}$

Molecular Weight: 382.735

Accurate Mass: 382.441274

Percentage Composition: C 81.59%; H 14.75%; N 3.66%

>>Derivative: Chloride

CAS Registry Number: 3401-74-9

Molecular Formula: $\text{C}_{26}\text{H}_{56}\text{ClN}$

Molecular Weight: 418.188

Accurate Mass: 417.410126

Percentage Composition: C 74.68%; H 13.50%; Cl 8.48%; N 3.35%

Physical Description: Cryst. ($\text{Et}_2\text{O}/\text{EtOAc}$)

Melting Point: Mp 130-131°

>>Derivative: Bromide

CAS Registry Number: 3282-73-3

Molecular Formula: $\text{C}_{26}\text{H}_{56}\text{BrN}$

Molecular Weight: 462.639

Accurate Mass: 461.37961

Percentage Composition: C 67.50%; H 12.20%; Br 17.27%; N 3.03%

Physical Description: Cryst. (EtOAc)

Melting Point: Mp 169-171°

Aldrich: 35902-5

Fluka: 36785

References:

Cipiciani, A. *et al.*, *J.C.S. Perkin 2*, 1987, 541, (*synth*)