



>>Entry Name: Dioctadecylamine, 8Cl

Synonym(s): *N*-Octadecyl-1-octadecanamine, 9Cl

CAS Registry Number: 112-99-2

$\text{H}_3\text{C}(\text{CH}_2)_{17}\text{NH}(\text{CH}_2)_{17}\text{CH}_3$

Molecular Formula: $\text{C}_{36}\text{H}_{75}\text{N}$

Molecular Weight: 521.995

Accurate Mass: 521.589949

Percentage Composition: C 82.84%; H 14.48%; N 2.68%

Physical Description: Cryst. (EtOH/ C_6H_6)

Melting Point: Mp 72.3°

Fluka: 42358

>>Derivative: *N*-Me

CAS Registry Number: 4088-22-6

Molecular Formula: $\text{C}_{37}\text{H}_{77}\text{N}$

Molecular Weight: 536.022

Accurate Mass: 535.605599

Percentage Composition: C 82.91%; H 14.48%; N 2.61%

Physical Description: Cryst. (MeCN)

Melting Point: Mp 47-49°

Boiling Point: Bp_{0.05} 252°

Aldrich: 36751-6

Fluka: 95298

Sigma: I4272

References:

Aldrich Library of ^{13}C and ^1H FT NMR Spectra, 1992, **1**, 487C, (*nmr*)

Hoerr, C.W. *et al.*, *J.O.C.*, 1944, **9**, 201, (*synth*)

Valis, M. *et al.*, *Fresenius' Z. Anal. Chem.*, 1991, **339**, 212, (*ms*)

Galan, A. *et al.*, *J.O.C.*, 1991, **56**, 452, (*synth*)