



>>Entry Name: Didodecylamine, 8Cl

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

CAS Registry Number: 3007-31-6

$\text{H}_3\text{C}(\text{CH}_2)_{11}\text{NH}(\text{CH}_2)_{11}\text{CH}_3$

Molecular Formula: $\text{C}_{24}\text{H}_{51}\text{N}$

Molecular Weight: 353.674

Accurate Mass: 353.402149

Percentage Composition: C 81.51%; H 14.53%; N 3.96%

Melting Point: Mp 55-56°

Boiling Point: Bp₂₇ 263-265°. Bp_{0.7} 195°

Fluka: 36784

Rare Chemicals Library: S41830-7

>>Derivative: Hydrochloride

CAS Registry Number: 2486-85-3

Physical Description: Cryst. (2-propanol)

Melting Point: Mp 207.8-210.8 dec.°

>>Derivative: Hydroiodide

Melting Point: Mp 232.8-234 dec.°

References:

Wojcik, B. *et al.*, *J.A.C.S.*, 1934, **56**, 2419, (*synth*)

Petrillo, V.C., *J.A.C.S.*, 1951, **73**, 2381, (*derivs*)

Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th edn., Van Nostrand Reinhold, 1979, 569