



>>Entry Name: 1-Chlorooctadecane

Synonym(s): Octadecyl chloride

CAS Registry Number: 3386-33-2

$\text{H}_3\text{C}(\text{CH}_2)_{16}\text{CH}_2\text{Cl}$

Molecular Formula: $\text{C}_{18}\text{H}_{37}\text{Cl}$

Molecular Weight: 288.943

Accurate Mass: 288.258377

Percentage Composition: C 74.82%; H 12.91%; Cl 12.27%

Physical Description: Cryst. (Et_2O)

Melting Point: Mp 28.6° (18°)

Boiling Point: Bp 348°. Bp₁₀ 199°

Aldrich: 23836-8

Fluka: 25652

Supelco: R47-3421

References:

Aldrich Library of ^{13}C and ^1H FT NMR Spectra, 1992, **1**, 94B, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 64D, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 93A, (*ir*)

Meyer, K.H. *et al.*, *Helv. Chim. Acta*, 1937, **20**, 1179, (*synth*)

McLafferty, F.W., *Anal. Chem.*, 1962, **34**, 2, (*ms*)