



>>Entry Name: 1-Iodooctadecane

Synonym(s): Octadecyl iodide. Stearyl iodide

CAS Registry Number: 629-93-6

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

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

Molecular Weight: 380.395

Accurate Mass: 380.193998

Percentage Composition: C 56.84%; H 9.80%; I 33.36%

Melting Point: Mp 34.5-35°

Boiling Point: Bp_{0.5} 160-170°

Aldrich: 25198-4

Fluka: 57965

References:

Aldrich Library of ^{13}C and ^1H FT NMR Spectra, 1992, **1**, 95A, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 65B, (*ir*)

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

Bleyberg, W. *et al.*, *Ber.*, 1931, **64**, 2504, (*synth*)

Frewing, J.J., *Proc. R. Soc. London, A*, 1944, **182**, 270, (*synth*)

Shirley, D.A. *et al.*, *J.O.C.*, 1953, **18**, 1591

Juergen, H. *et al.*, *CA*, 1973, **78**, 128785n