



>>Entry Name: Dioctyl ether

Synonym(s): 1,1'-Oxybisoctane, 9CI. Octyl ether

CAS Registry Number: 629-82-3

$\text{H}_3\text{C}(\text{CH}_2)_7\text{O}(\text{CH}_2)_7\text{CH}_3$

Molecular Formula: $\text{C}_{16}\text{H}_{34}\text{O}$

Molecular Weight: 242.444

Accurate Mass: 242.260965

Percentage Composition: C 79.27%; H 14.13%; O 6.60%

Melting Point: Mp -7°

Boiling Point: Bp 286-287°

Aldrich: 24959-9

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **3**, 268D, (*ir*)

Yamashita, M. *et al.*, *Synthesis*, 1977, 803, (*synth*)

Barry, J. *et al.*, *Tetrahedron*, 1984, **40**, 2945, (*synth*)

Bull, L.M. *et al.*, *Magn. Reson. Chem.*, 1991, **29**, 273, (*cmr*)