



>>Entry Name: 1,1'-Oxybis[3-methylbutane], 9CI

Synonym(s): Di-3-methylbutyl ether. Isopentyl ether. Diisoamyl ether. Diisopentyl ether. Isoamyl ether

CAS Registry Number: 544-01-4

$(\text{H}_3\text{C})_2\text{CHCH}_2\text{CH}_2\text{OCH}_2\text{CH}_2\text{CH}(\text{CH}_3)_2$

Molecular Formula: $\text{C}_{10}\text{H}_{22}\text{O}$

Molecular Weight: 158.283

Accurate Mass: 158.167065

Percentage Composition: C 75.88%; H 14.01%; O 10.11%

Physical Description: Liq.

Boiling Point: Bp 172.5-173°. Bp₁₀ 60°

Density: d_{15}^{15} 0.781

Rare Chemicals Library: S57307-8

References:

Schröter, G. *et al.*, *Ber.*, 1908, **41**, 1921, (*synth*)

Zeltner, J. *et al.*, *Ber.*, 1910, **43**, 942, (*bibl*)

Delseth, C. *et al.*, *Helv. Chim. Acta*, 1978, **61**, 1327, (*nmr*)