



>>Entry Name: Bis(3-methylbutyl)amine

Synonym(s): 3-Methyl-*N*-(3-methylbutyl)-1-butanamine, 9CI. Diisoamylamine

CAS Registry Number: 544-00-3

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

Molecular Formula: $\text{C}_{10}\text{H}_{23}\text{N}$

Molecular Weight: 157.298

Accurate Mass: 157.183049

Percentage Composition: C 76.36%; H 14.74%; N 8.90%

Physical Description: Liq.

Melting Point: Mp -44°

Boiling Point: Bp 188°

Solubility: Insol. H_2O

Density: d_4^{21} 0.767

pKa Value: $\text{p}K_{\text{a}}$ 3.02 (25°)

Refractive Index: n_{D}^{21} 1.4228

References:

Custer, E., *Ber.*, 1879, **12**, 1333, (*synth*)

Skita, A. *et al.*, *Ber.*, 1933, **66**, 1406, (*synth*)

Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th edn., Van Nostrand Reinhold, 1979, 589