



>>Entry Name: ***O*-Methyl-*N,N'*-diisopropylisourea**

Synonym(s): Methyl *N,N*-bis(1-methylethyl)carbamimidate, 9CI

CAS Registry Number: 54648-79-2

$(\text{H}_3\text{C})_2\text{CHNHC}(\text{OMe})=\text{NCH}(\text{CH}_3)_2$

Molecular Formula: $\text{C}_8\text{H}_{18}\text{N}_2\text{O}$

Molecular Weight: 158.243

Accurate Mass: 158.141913

Percentage Composition: C 60.72%; H 11.46%; N 17.70%; O 10.11%

Use/Importance: Methylating reagent for carboxylic acids, phenols, thiols, β -diketones, amino acids and amines

Boiling Point: Bp_{10} 54°

Density: d 0.87

Refractive Index: n_D^{20} 1.4360

Aldrich: 22640-8

Fluka: 66638

Sigma: M9279

References:

Schmidt, E. *et al.*, *Annalen*, 1955, **597**, 235, (*synth*)

Musich, J.A. *et al.*, *J.O.C.*, 1977, **42**, 139, (*use*)