



>>Entry Name: 1,1,1-Trimethoxypentane

Synonym(s): Trimethyl orthovalerate

CAS Registry Number: 13820-09-2

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

Molecular Formula: $\text{C}_8\text{H}_{18}\text{O}_3$

Molecular Weight: 162.228

Accurate Mass: 162.125595

Percentage Composition: C 59.23%; H 11.18%; O 29.59%

Physical Description: Liq.

Boiling Point: Bp 164-166°

Refractive Index: n_D^{20} 1.4100

Aldrich: 25451-7

Fluka: 75607

References:

Brooker, L.G.S. *et al.*, *J.A.C.S.*, 1935, **57**, 2480, (*synth, props*)

McElvain, S.M. *et al.*, *J.A.C.S.*, 1946, **68**, 1922, (*synth, props*)

Braun, R.A., *J.O.C.*, 1966, **31**, 3828, (*synth*)