



>>Entry Name: 1,3-Bis(hydroxymethyl)benzene

Synonym(s): 1,3-Benzenedimethanol, 9CI. *m*-Xylene- α,α' -diol. Isophthalyl alcohol. *m*-Hydroxymethylbenzyl alcohol. $\omega\omega'$ -Dihydroxy-*m*-xylene

CAS Registry Number: 626-18-6

Molecular Formula: C₈H₁₀O₂

Molecular Weight: 138.166

Accurate Mass: 138.06808

Percentage Composition: C 69.55%; H 7.29%; O 23.16%

Use/Importance: Used in manuf. of unsaturated polyesters and alkyd resins

Physical Description: Needles (C₆H₆)

Melting Point: Mp 46-47°. Mp 57°

Boiling Point: Bp₁₃ 154-159°

Aldrich: 19653-3

>>Derivative: Di-Et ether

Synonym(s): 1,3-Bis(ethoxymethyl)benzene

Molecular Formula: C₁₂H₁₈O₂

Molecular Weight: 194.273

Accurate Mass: 194.13068

Percentage Composition: C 74.19%; H 9.34%; O 16.47%

Boiling Point: Bp₇₁₂ 246-247°

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 1132A, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1056B, (*ir*)

Aldrich Library of NMR Spectra, 2nd edn., 1983, **1**, 935D, (*nmr*)

Mettler, M., *Ber.*, 1906, **39**, 2940

Gough, W.H. *et al.*, *J.C.S.*, 1919, **115**, 1162

Korshak, V.V. *et al.*, *Izv. Akad. Nauk SSSR, Otd. Khim. Nauk*, 1959, 338; *CA*, **53**, 19955i, (*polyesters*)