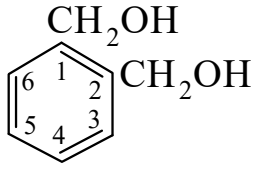
>>**Entry Name: 1,2-Bis(hydroxymethyl)benzene**

Synonym(s): 1,2-Benzenedimethanol, 9CI. *o*-Xylene-α,α'-diol, 8CI. Phthalyl alcohol. α,α'-Dihydroxy-*o*-xylene



CAS Registry Number: 612-14-6

Molecular Formula: $C_8H_{10}O_2$
Molecular Weight: 138.166
Accurate Mass: 138.06808
Percentage Composition: C 69.55%; H 7.29%; O 23.16%
Use/Importance: Source of the *o*-xylylene acetal protecting group
Physical Description: Plates (Et_2O)
Melting Point: Mp 64.2-64.8°
Other Data: Several polyesters have been synth.

Aldrich: 18482-9
Fluka: 12570

>>**Derivative:** Di-Ac

CAS Registry Number: 14019-65-9
Molecular Formula: $C_{12}H_{14}O_4$
Molecular Weight: 222.24
Accurate Mass: 222.08921
Percentage Composition: C 64.85%; H 6.35%; O 28.80%
Physical Description: Cryst. (petrol)
Melting Point: Mp 37°. Mp 34-35°

>>**Derivative:** Di-Et ether

Molecular Formula: $C_{12}H_{18}O_2$
Molecular Weight: 194.273
Accurate Mass: 194.13068
Percentage Composition: C 74.19%; H 9.34%; O 16.47%
Physical Description: Oil
Boiling Point: Bp_{738} 246-248°

References:

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Vinogradova, S.V. *et al.*, *Vysokomol. Soedin.*, 1959, **1**, 649-654; *CA*, **54**, 19009e, *(polyesters)*
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