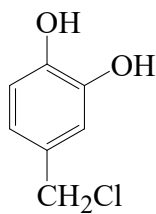




>>Entry Name: 4-(Chloromethyl)-1,2-benzenediol

Synonym(s): 3,4-Dihydroxybenzyl chloride



Related CAS Registry Numbers(s): 113118-25-5

Molecular Formula: C₇H₇ClO₂

Molecular Weight: 158.584

Accurate Mass: 158.013457

Percentage Composition: C 53.02%; H 4.45%; Cl 22.36%; O 20.18%

>>Derivative: Di-Me ether

Synonym(s): 4-(Chloromethyl)-1,2-dimethoxybenzene, 9Cl. α-Chloro-3,4-dimethoxytoluene, 8Cl. 3,4-Dimethoxybenzyl chloride. Veratryl chloride

CAS Registry Number: 7306-46-9

Molecular Formula: C₉H₁₁ClO₂

Molecular Weight: 186.637

Accurate Mass: 186.044757

Percentage Composition: C 57.92%; H 5.94%; Cl 19.00%; O 17.14%

Biological Source: Prod. by the fungus *Bjerkandera* sp. BOS55

Physical Description: Cryst.

Melting Point: Mp 51-52°

Boiling Point: Bp_{1.25} 110-113°

>>Derivative: Methylene ether

Synonym(s): 5-(Chloromethyl)-1,3-benzodioxole, 9Cl. α-Chloro-3,4-(methylenedioxy)toluene, 8Cl. 3,4-(Methylenedioxy)benzyl chloride

CAS Registry Number: 20850-43-5

Molecular Formula: C₈H₇ClO₂

Molecular Weight: 170.595

Accurate Mass: 170.013457

Percentage Composition: C 56.33%; H 4.14%; Cl 20.78%; O 18.76%

Melting Point: Mp 23-23.5°

Boiling Point: Bp 91-94°

References:

Gawron, O., *J.A.C.S.*, 1949, **71**, 744, (*synth*)

Baddeley, G. *et al.*, *J.C.S.*, 1961, 2516-2519, (*methylene ether, synth*)

Binns, F. *et al.*, *J.C.S.(C)*, 1970, 1134-1138, (*di-Me ether, synth*)

Birch, A.J. *et al.*, *J.C.S. Perkin I*, 1974, 2190-2194, (*methylene ether, synth*)

Pelter, A. *et al.*, *J.C.S. Perkin I*, 1988, 1615-1623, (*ethers, synth, pmr*)

Swarts, H.J. *et al.*, *Phytochemistry*, 1997, **46**, 1011-1013, (*di-Me ether, isol, synth, pmr, cmr, ms*)