



>>Entry Name: 2,5-Dihydroxy-1,4-benzenedicarboxaldehyde, 9CI

Synonym(s): 2,5-Dihydroxyterephthalaldehyde, 8CI

CAS Registry Number: 1951-36-6

Structure by analogy with 2,4-Dihydroxy-1,3-benzenedicarboxaldehyde, [DZJ76-R](#)

Molecular Formula: C₈H₆O₄

Molecular Weight: 166.133

Accurate Mass: 166.02661

Percentage Composition: C 57.84%; H 3.64%; O 38.52%

Physical Description: Golden needles (C₆H₆)

Melting Point: Mp 262°

>>Derivative: Di-Me ether

Synonym(s): 2,5-Dimethoxy-1,4-benzenedicarboxaldehyde

CAS Registry Number: 7310-97-6

Molecular Formula: C₁₀H₁₀O₄

Molecular Weight: 194.187

Accurate Mass: 194.05791

Percentage Composition: C 61.85%; H 5.19%; O 32.96%

Physical Description: Yellow cryst. (toluene)

Melting Point: Mp 220° (207°)

Rare Chemicals Library: S86005-0

>>Derivative: Dihexyl ether

Synonym(s): 2,5-Dihexyloxy-1,4-benzenedicarboxaldehyde

CAS Registry Number: 151903-52-5

Molecular Formula: C₂₀H₃₀O₄

Molecular Weight: 334.455

Accurate Mass: 334.21441

Percentage Composition: C 71.82%; H 9.04%; O 19.13%

Physical Description: Cryst. (hexane)

Melting Point: Mp 74.5-76°

References:

Gray, G.W. *et al.*, *J.C.S.*, 1965, 438, (*synth*)

Marx, J.N. *et al.*, *J. Het. Chem.*, 1975, **12**, 417, (*synth*, *pmr*)

Syber, L. *et al.*, *Tetrahedron*, 1983, **39**, 781, (*synth*, *ir*, *pmr*)

Pat. Coop. Treaty (WIPO), 1994, 94 29 883; *CA*, **123**, 97318d, (*dihexyl ether*, *synth*, *pmr*, *cmr*)

Irngartinger, H. *et al.*, *Eur. J. Org. Chem.*, 1998, 595-604, (*di-Me ether*)