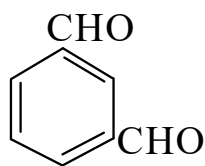




>>Entry Name: **1,3-Benzenedicarboxaldehyde**, 9CI
Synonym(s): Isophthalaldehyde. 1,3-Diformylbenzene



CAS Registry Number: 626-19-7

Molecular Formula: $C_8H_6O_2$
Molecular Weight: 134.134
Accurate Mass: 134.03678
Percentage Composition: C 71.64%; H 4.51%; O 23.86%
Use/Importance: Polymerisation intermediate
Physical Description: Long needles
Melting Point: Mp 89-90°
Other Data: Steam-volatile

Aldrich: 11528-2
Fluka: 59195
Sigma: I0258

>>Derivative: Dioxime

Molecular Formula: $C_8H_8N_2O_2$
Molecular Weight: 164.163
Accurate Mass: 164.058578
Percentage Composition: C 58.53%; H 4.91%; N 17.06%; O 19.49%
Melting Point: Mp 180°

>>Derivative: Bisphenylhydrazone

Melting Point: Mp 242-244°

References:

Aldrich Library of ^{13}C and 1H FT NMR Spectra, 1992, **2**, 938B, (nmr)
Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 109A, (ir)
Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1288C, (ir)
Sadtler Standard Infrared Spectra, 7865, (ir)
Sadtler Standard NMR Spectra, 3790, (pmr)
Sadtler Standard Ultraviolet Spectra, 13666, (uv)
Org. Synth., Coll. Vol., 5, 1973, 668, (synth, bibl)
Costa, L. *et al.*, *J. Het. Chem.*, 1974, **11**, 943, (synth)
Higa, T. *et al.*, *J.O.C.*, 1975, **40**, 3037, (synth)
Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials, 8th edn.*, Van Nostrand Reinhold, 1992, IMI000