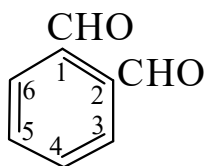




>>Entry Name: 1,2-Benzenedicarboxaldehyde, 9CI
Synonym(s): o-Phthalaldehyde, 8CI. 1,2-Diformylbenzene



CAS Registry Number: 643-79-8

Molecular Formula: C₈H₆O₂
Molecular Weight: 134.134
Accurate Mass: 134.03678
Percentage Composition: C 71.64%; H 4.51%; O 23.86%
Use/Importance: Fluorogenic reagent for amino acids, disinfectant
Physical Description: Cryst. (petrol)
Melting Point: Mp 55.5-56°
pKa Value: pK_{a1} 13 (25°,hydrate)
Other Data: Steam-volatile. Non-benzenoid tautomers have been characterised in Ar matrix
Hazard & Toxicity: LD₅₀ (mus, ipr) 27 mg/kg

Aldrich: P3940-0
Fluka: 79760
Sigma: P0657

>>Derivative: Tetra-Ac

Molecular Formula: C₁₆H₁₈O₈
Molecular Weight: 338.313
Accurate Mass: 338.10017
Percentage Composition: C 56.80%; H 5.36%; O 37.83%
Melting Point: Mp 126-127°

>>Derivative: Bisphenylhydrazone

Melting Point: Mp 190-191°

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