>>**Entry Name: 6-Formyl-2,3-dihydroxybenzoic acid**
Synonym(s): 5,6-Dihydroxyphthalaldehydic acid. 3,6,7-Trihydroxy-1(3*H*)-isobenzofuranone. 3,6,7-Trihydroxyphthalide

CAS Registry Number: 22231-81-8
Structure by analogy with 2-Formyl-3,4-dihydroxybenzoic acid, FPL70-Z

Molecular Formula: $C_8H_6O_5$
Molecular Weight: 182.132
Accurate Mass: 182.021525
Percentage Composition: C 52.76%; H 3.32%; O 43.92%

>>**Derivative:** Di-Me ether
Synonym(s): 6-Formyl-2,3-dimethoxybenzoic acid, $_{9CI}$. 5,6-Dimethoxyphthalaldehydic acid, $_{8CI}$. 3-Hydroxy-6,7-dimethoxy-1(3*H*)-isobenzofuranone. 3-Hydroxy-6,7-dimethoxyphthalide. Opianic acid

CAS Registry Number: 519-05-1
Molecular Formula: $C_{10}H_{10}O_5$
Molecular Weight: 210.186
Accurate Mass: 210.052825
Percentage Composition: C 57.14%; H 4.80%; O 38.06%
Physical Description: Needles (H_2O)
Melting Point: Mp 150°
pKa Value: pK_a 3.06 (25°)
Other Data: Exists in equilib. between cyclic lactol (isobenzofuranone) and open-chain forms. Lactol form predominates in some solvs.
Rare Chemicals Library: S51890-5

References:

Wilson, J.W. *et al.*, *J.O.C.*, 1951, **16**, 792-799, *(di-Me ether)*
Blair, J. *et al.*, *J.C.S.*, 1955, 708-712, *(di-Me ether)*
Korsch, B.H. *et al.*, *Aust. J. Chem.*, 1963, **16**, 709-716, *(di-Me ether, struct, ir, uv)*
Korsch, B.H. *et al.*, *Aust. J. Chem.*, 1963, **16**, 709-716, *(di-Me ether, struct, ir, uv)*
Paul, B. *et al.*, *J. Het. Chem.*, 1976, **13**, 701-709, *(pmr)*
Napolitano, E. *et al.*, *J.O.C.*, 1983, **48**, 3653-3656, *(di-Me ether)*