>>**Entry Name: 3,6-Dihydroxy-1,2-benzenedicarboxylic acid,** 9CI
Synonym(s): 3,6-Dihydroxyphthalic acid, 8CI. Hydroquinone-2,3-dicarboxylic acid

CAS Registry Number: 3786-46-7
Structure by analogy with 2,3-Dihydroxy-1,4-benzenedicarboxylic acid, DZP44-K

Molecular Formula: $C_8H_6O_6$
Molecular Weight: 198.132
Accurate Mass: 198.01644
Percentage Composition: C 48.50%; H 3.05%; O 48.45%
Physical Description: Yellow-green needles (H_2O)
Melting Point: Mp 224-225 dec.°

Rare Chemicals Library: S91947-0

>>**Derivative:** Di-Me ester

CAS Registry Number: 7474-92-2
Molecular Formula: $C_{10}H_{10}O_6$
Molecular Weight: 226.185
Accurate Mass: 226.04774
Percentage Composition: C 53.10%; H 4.46%; O 42.44%
Physical Description: Needles (H_2O)
Melting Point: Mp 141-142°

>>**Derivative:** Di-Et ester

CAS Registry Number: 15460-24-9
Molecular Formula: $C_{12}H_{14}O_6$
Molecular Weight: 254.239
Accurate Mass: 254.07904
Percentage Composition: C 56.69%; H 5.55%; O 37.76%
Melting Point: Mp 89°

>>**Derivative:** Dinitrile
Synonym(s): 2,3-Dicyano-1,4-benzenediol. 2,3-Dicyanohydroquinone. 3,6-Dihydroxy-1,2-benzenedicarbonitrile, 9CI

CAS Registry Number: 4733-50-0

Molecular Formula: $C_8H_4N_2O_2$
Molecular Weight: 160.132
Accurate Mass: 160.027278
Percentage Composition: C 60.01%; H 2.52%; N 17.49%; O 19.98%
Use/Importance: Used as 1% EtOH soln. as fluorescent acid-base indicator (pH range: 5.8-8.2; colour change: blue → green)
Physical Description: Yellow leaflets + $2H_2O$
Solubility: Sol. alkalis, EtOH, Et_2O, Me_2CO; spar. sol. H_2O, C_6H_6, $CHCl_3$
Other Data: Blackens at 230°
Aldrich: 14113-5
Fluka: 36611
Sigma: D0554

>>**Derivative:** Di-Me ether
Synonym(s): 3,6-Dimethoxy-1,2-benzenedicarboxylic acid. 3,6-Dimethoxyphthalic acid

CAS Registry Number: 64019-77-8
Molecular Formula: $C_{10}H_{10}O_6$
Molecular Weight: 226.185
Accurate Mass: 226.04774
Percentage Composition: C 53.10%; H 4.46%; O 42.44%
Physical Description: Yellow prisms + $1H_2O$ (H_2O)
Melting Point: Mp 183-186 dec.°