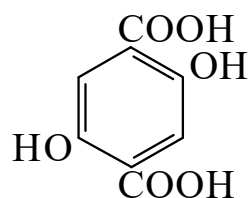




>>Entry Name: **2,5-Dihydroxy-1,4-benzenedicarboxylic acid**, 9CI

Synonym(s): 2,5-Dihydroxyterephthalic acid, 8CI. Quinol-2,5-dicarboxylic acid



CAS Registry Number: 610-92-4

Related CAS Registry Numbers(s): 5870-37-1

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%

Biological Source: Constit. of *Centaurium erythraea*

Use/Importance: Polyesters with alkanediols form metal complexes

Physical Description: Yellow cryst. (EtOH or Et₂O)

Melting Point: Mp 335-339 dec.°

Other Data: Green or blue fluor. in soln.

Aldrich: 38213-2

Sigma: D8167

>>Derivative: Mono-Et ester

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%

Melting Point: Mp 184°

>>Derivative: Di-Et ester

CAS Registry Number: 5870-38-2

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%

Physical Description: Greenish-yellow cryst.

Melting Point: Mp 133-133.5°

Other Data: Two metastable forms known

Aldrich: 38214-0

>>Derivative: Di-Et ester, di-Ac

Molecular Formula: $C_{16}H_{18}O_8$

Molecular Weight: 338.313

Accurate Mass: 338.10017

Percentage Composition: C 56.80%; H 5.36%; O 37.83%

Melting Point: Mp 156.5°

>>Derivative: Di-Me ether

Synonym(s): 2,5-Dimethoxy-1,4-benzenedicarboxylic acid. 2,5-Dimethoxyterephthalic acid

CAS Registry Number: 21004-11-5

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 (H₂O)

Melting Point: Mp 265°

References: