



>>Entry Name: **3,5-Dihydroxybenzoic acid**, 9CI

Synonym(s): α -Resorcylic acid, 8CI. Resorcinol-5-carboxylic acid

CAS Registry Number: 99-10-5

Related CAS Registry Numbers(s): 41696-97-3

Structure by analogy with 2,3-Dihydroxybenzoic acid, [HFB57-G](#)

Molecular Formula: C₇H₆O₄

Molecular Weight: 154.122

Accurate Mass: 154.02661

Percentage Composition: C 54.55%; H 3.92%; O 41.52%

Biological Source: Constit. of *Arachis hypogaea* and *Cicer arietinum* seeds. Also present in *Pterocarpus santalinus*

Use/Importance: Used as 1% soln. in EtOH as metallochromic indicator in titrimetric detn. of Fe(III). Used as a monomer for dendritic polyesters

Physical Description: Cryst. + 1½ H₂O (H₂O)

Melting Point: Mp 232-233° (anhyd.)

Solubility: Sol. H₂O

pKa Value: pK_a 4.04

Aldrich: D11000-0

Fluka: 37600

Sigma: R1500

>>Derivative: Me ester

CAS Registry Number: 2150-44-9

Molecular Formula: C₈H₈O₄

Molecular Weight: 168.149

Accurate Mass: 168.04226

Percentage Composition: C 57.14%; H 4.80%; O 38.06%

Physical Description: Leaflets

Melting Point: Mp 168-170° (163-165°)

pKa Value: pK_{a1} 8.71; pK_{a2} 10.66 (20°)

Aldrich: 15960-3

>>Derivative: Et ester

CAS Registry Number: 4142-98-7

Molecular Formula: C₉H₁₀O₄

Molecular Weight: 182.176

Accurate Mass: 182.05791

Percentage Composition: C 59.34%; H 5.53%; O 35.13%

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 128-129°

Rare Chemicals Library: S53042-5

>>Derivative: Ph ester

CAS Registry Number: 133551-50-5

Molecular Formula: C₁₃H₁₀O₄

Molecular Weight: 230.22

Accurate Mass: 230.05791

Percentage Composition: C 67.82%; H 4.38%; O 27.80%

Physical Description: Cryst. (MeOH aq.)

Melting Point: Mp 174-176°

>>Derivative: Amide

CAS Registry Number: 3147-62-4

Molecular Formula: C₇H₇NO₃

Molecular Weight: 153.137

Accurate Mass: 153.042594

Percentage Composition: C 54.90%; H 4.61%; N 9.15%; O 31.34%

Physical Description: Tan solid (EtOH)

Melting Point: Mp 285-287 dec.°

Rare Chemicals Library: S36060-0