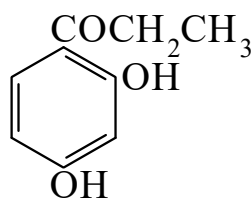




>>Entry Name: 1-(2,4-Dihydroxyphenyl)-1-propanone, 9CI

Synonym(s): 2',4'-Dihydroxypropiophenone, 8CI. 4-Propionylresorcinol. Respropiophenone. Resopropiophenone



CAS Registry Number: 5792-36-9

Type of Compound Code(s): PS7950 PA2000

Molecular Formula: C₉H₁₀O₃

Molecular Weight: 166.176

Accurate Mass: 166.062995

Percentage Composition: C 65.05%; H 6.07%; O 28.88%

Use/Importance: Used as 1% soln. in EtOH as metallochromic indicator in titrimetric detn. of Fe; spot test for Fe

Physical Description: Yellow needles (EtOH)

Melting Point: Mp 98-100°

Aldrich: D11920-2

Rare Chemicals Library: S42876-0

>>Derivative: Oxime

CAS Registry Number: 22919-58-0

Type of Compound Code(s): PA2000 PM6860 PS7950 PS8300

Molecular Formula: C₉H₁₁NO₃

Molecular Weight: 181.191

Accurate Mass: 181.073894

Percentage Composition: C 59.66%; H 6.12%; N 7.73%; O 26.49%

Use/Importance: Used as soln. in aq. EtOH for photometric detn. of Fe(III) ($\lambda_{\max}$ 510 nm, ϵ 2300); metallochromic indicator in titrimetric detn. of Fe(III)

Physical Description: Yellow needles

Melting Point: Mp 186-187°

>>Derivative: 4-Me ether

Synonym(s): 1-(2-Hydroxy-4-methoxyphenyl)-1-propanone. 2'-Hydroxy-4'-methoxypropiophenone

CAS Registry Number: 6270-44-6

Molecular Formula: C₁₀H₁₂O₃

Molecular Weight: 180.203

Accurate Mass: 180.078645

Percentage Composition: C 66.65%; H 6.71%; O 26.64%

Physical Description: Plates (EtOH)

Melting Point: Mp 58°

>>Derivative: Di-Me ether

Synonym(s): 1-(2,4-Dimethoxyphenyl)-1-propanone. 2',4'-Dimethoxypropiophenone

CAS Registry Number: 831-00-5

Molecular Formula: C₁₁H₁₄O₃

Molecular Weight: 194.23

Accurate Mass: 194.094295

Percentage Composition: C 68.02%; H 7.26%; O 24.71%

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 67°

Rare Chemicals Library: S41298-8

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