



>>Entry Name: 1-(2,5-Dihydroxyphenyl)-1-propanone, 9CI

Synonym(s): 2',5'-Dihydroxypropiophenone, 8CI. 2-Propionylhydroquinone

CAS Registry Number: 938-46-5

Structure by analogy with 1-(2,3-Dihydroxyphenyl)-1-propanone, [DZN91-M](#)

Molecular Formula: C₉H₁₀O₃

Molecular Weight: 166.176

Accurate Mass: 166.062995

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

Physical Description: Cryst. (C₆H₆/hexane)

Melting Point: Mp 98°

Aldrich: D11922-9

Rare Chemicals Library: S37231-5

>>Derivative: 5-Me ether

Synonym(s): 1-(2-Hydroxy-5-methoxyphenyl)-1-propanone

CAS Registry Number: 49710-99-8

Molecular Formula: C₁₀H₁₂O₃

Molecular Weight: 180.203

Accurate Mass: 180.078645

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

Physical Description: Needles (petrol)

Melting Point: Mp 47-49°

>>Derivative: Di-Me ether

Synonym(s): 1-(2,5-Dimethoxyphenyl)-1-propanone

CAS Registry Number: 5803-30-5

Molecular Formula: C₁₁H₁₄O₃

Molecular Weight: 194.23

Accurate Mass: 194.094295

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

Boiling Point: Bp₁₃ 167-168°

Rare Chemicals Library: S67150-9

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 857C, (*nmr*)

Aldrich Library of Infrared Spectra, 3rd edn., 1981, 872A, (*ir*)

Armstrong, E.C. *et al.*, *J.A.C.S.*, 1960, **82**, 1928, (*synth*)

Pala, G., *Nature (London)*, 1964, **204**, 1190, (*pmr*)

Vandenbergh, A. *et al.*, *Bull. Soc. Chim. Belg.*, 1965, **74**, 397, (*synth*)