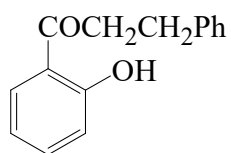




>>Entry Name: 1-(2-Hydroxyphenyl)-3-phenyl-1-propanone

Synonym(s): 2'-Hydroxydihydrochalcone



CAS Registry Number: 3516-95-8

Molecular Formula: C₁₅H₁₄O₂

Molecular Weight: 226.274

Accurate Mass: 226.09938

Percentage Composition: C 79.62%; H 6.24%; O 14.14%

Biological Source: Constit. of *Flindersia brassii* and *Peperomia obtusifolia*

Physical Description: Prisms

Melting Point: Mp 32-33°

Refractive Index: n_D²⁰ 1.5968

UV: [neutral] λ_{max} 215 (); 252 (); 324 () (MeOH)

>>Derivative: Oxime

Molecular Formula: C₁₅H₁₅NO₂

Molecular Weight: 241.289

Accurate Mass: 241.110279

Percentage Composition: C 74.67%; H 6.27%; N 5.80%; O 13.26%

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 117-118°

References:

Bogmar, R. *et al.*, *Tetrahedron*, 1962, **18**, 143, (*synth*)

Sweeny, J.G. *et al.*, *J.O.C.*, 1979, **44**, 1494, (*synth, pmr, ms*)

Hambley, T.W. *et al.*, *Aust. J. Chem.*, 1990, **43**, 1327-1334, (*isol, ir, pmr, ms*)

Tanaka, T. *et al.*, *Phytochemistry*, 1998, **49**, 229-232, (*isol, synth, uv, pmr, cmr, ms*)