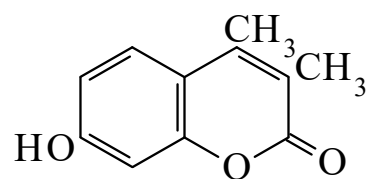




>>Entry Name: 7-Hydroxy-3,4-dimethyl-2*H*-1-benzopyran-2-one

Synonym(s): 7-Hydroxy-3,4-dimethylcoumarin



CAS Registry Number: 2107-78-0

Molecular Formula: C₁₁H₁₀O₃

Molecular Weight: 190.198

Accurate Mass: 190.062995

Percentage Composition: C 69.46%; H 5.30%; O 25.24%

Melting Point: Mp 256°

>>Derivative: *O*-Ethanesulfonyl

Synonym(s): Esuprone, INN

CAS Registry Number: 91406-11-0

Molecular Formula: C₁₃H₁₄O₅S

Molecular Weight: 282.317

Accurate Mass: 282.056195

Percentage Composition: C 55.31%; H 5.00%; O 28.34%; S 11.36%

Use/Importance: Antidepressant

Physical Description: Cryst. (EtOH)

Melting Point: Mp 112°

>>Derivative: Et ether

Synonym(s): 7-Ethoxy-3,4-dimethylcoumarin

CAS Registry Number: 111244-98-5

Molecular Formula: C₁₃H₁₄O₃

Molecular Weight: 218.252

Accurate Mass: 218.094295

Percentage Composition: C 71.54%; H 6.47%; O 21.99%

Biological Source: Constit. of *Edgeworthia gardneri*

Physical Description: Cryst. (C₆H₆)

Melting Point: Mp 121-122°

References:

Trividi, K.N., *J. Indian Chem. Soc.*, 1965, **42**, 273, (*synth*)

Ger. Pat., 1984, *BASF*, 3 243 158; *CA*, **101**, 90967, (*Esuprone*)

Chatterjee, A. *et al.*, *Indian J. Chem., Sect. B*, 1987, **26**, 81

Ahluwalia, V.K. *et al.*, *Indian J. Chem., Sect. B*, 1988, **27**, 68, (*synth*)