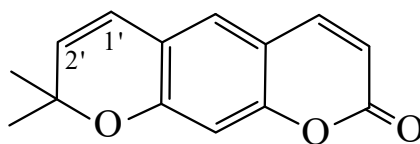




>>Entry Name: Xanthyletin

ENTRY UNDER REVIEW

Synonym(s): 8,8-Dimethyl-2*H*,8*H*-benzo[1,2-*b*:5,4-*b'*]dipyran-2-one, 9Cl



CAS Registry Number: 553-19-5

Molecular Formula: C₁₄H₁₂O₃

Molecular Weight: 228.247

Accurate Mass: 228.078645

Percentage Composition: C 73.67%; H 5.30%; O 21.03%

Biological Source: Isol. from *Brosimum rubescens*, *Ruta* spp., *Boenninghausenia* spp., *Flindersia* spp., *Glycosmis cyanocarpa*, *Zanthoxylum* spp., *Chloroxylon swietenia*, *Citrus acida*, *Luvunga* spp. and others

Physical Description: Cryst. (petrol)

Melting Point: Mp 131.5°

>>Derivative: 1',2'-Dihydro

Synonym(s): Dihydroxanthyletin

CAS Registry Number: 21074-63-5

Molecular Formula: C₁₄H₁₄O₃

Molecular Weight: 230.263

Accurate Mass: 230.094295

Percentage Composition: C 73.03%; H 6.13%; O 20.84%

Biological Source: Constit. of *Seseli tortuosum*, *Cassia pumpila* and *Ammi majus*

Physical Description: Cryst. (hexane)

Melting Point: Mp 122-124°

References:

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Bowden, B.F. *et al.*, *Aust. J. Chem.*, 1975, **28**, 1393, (*isol*)
Talapatra, B. *et al.*, *Indian J. Chem.*, 1975, **13**, 835, (*isol*)
Delle Monache, F. *et al.*, *Gazz. Chim. Ital.*, 1976, **106**, 681, (*isol*)
González, A.G. *et al.*, *An. Quim.*, 1977, **73**, 430; 1015, (*isol*)
Mujumdar, R.B. *et al.*, *Indian J. Chem., Sect. B*, 1977, **15**, 200, (*isol*)
Ahluwalia, V.K. *et al.*, *Monatsh. Chem.*, 1981, **112**, 119, (*synth*)
González, A.G. *et al.*, *An. Quim., Ser. C*, 1982, **78**, 184, (*Dihydroxanthyletin*)
Banerji, J. *et al.*, *Indian J. Chem., Sect. B*, 1982, **21**, 496, (*synth*)
Elgamal, M.H.A. *et al.*, *Phytochemistry*, 1993, **34**, 819, (*Dihydroxanthyletin*)
Rudino-Pinera, E. *et al.*, *Acta Cryst. C*, 1995, **51**, 2720, (*cryst struct*)