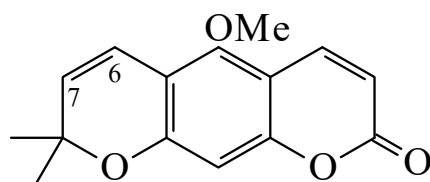




>>Entry Name: Xanthoxyletin

Synonym(s): 5-Methoxy-8,8-dimethyl-2*H*,8*H*-benzo[1,2-*b*:5,4-*b'*]dipyrans-2-one,9Cl. Xanthoxylin N. Xanthoxyloin



CAS Registry Number: 84-99-1

Molecular Formula: C₁₅H₁₄O₄

Molecular Weight: 258.273

Accurate Mass: 258.08921

Percentage Composition: C 69.76%; H 5.46%; O 24.78%

Biological Source: Isol. from *Zanthoxylum americanum*, *Melicope ternata*, *Halfordia scleroxyla*, *Afraegle paniculata*, *Eriostemon trachyphyllus* and *Chloroxylon swietenia*

Use/Importance: Anticonvulsant agent

Physical Description: Cryst. (petrol)

Melting Point: Mp 133°

Calculated Log P Data: Log P 3.04 (calc)

>>Derivative: 6,7-Dihydro

Synonym(s): Kanzonol Q

CAS Registry Number: 17053-75-7

Molecular Formula: C₁₅H₁₆O₄

Molecular Weight: 260.289

Accurate Mass: 260.10486

Percentage Composition: C 69.22%; H 6.20%; O 24.59%

Biological Source: Constit. of the roots of *Glycyrrhiza uralensis*

Physical Description: Pale yellow needles (C₆H₆)

Melting Point: Mp 108.5-114°

References:

Vrkov, J. *et al.*, *Phytochemistry*, 1972, **11**, 2647, (*isol*)

Mujumdar, R.B. *et al.*, *Indian J. Chem., Sect. B*, 1977, **15**, 200, (*isol*)

Gray, A.J. *et al.*, *J.C.S. Perkin 2*, 1978, 391, (*pmr*)

Murray, R.D.H. *et al.*, *Tetrahedron*, 1984, **40**, 3129, (*synth, bibl*)

Fukai, T. *et al.*, *Heterocycles*, 1994, **38**, 1089, (*Kanzonol Q*)