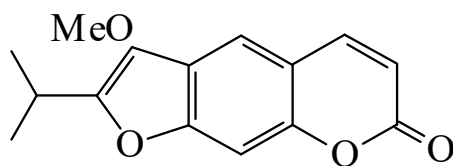




>>Entry Name: Peucedanin

Synonym(s): 3-Methoxy-2-(1-methylethyl)-7*H*-furo[3,2-*g*][1]benzopyran-7-one, 9Cl. 2-Isopropyl-3-methoxy-7*H*-furo[3,2-*g*][1]benzopyran-7-one



CAS Registry Number: 133-26-6

Molecular Formula: C₁₅H₁₄O₄

Molecular Weight: 258.273

Accurate Mass: 258.08921

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

Biological Source: From roots of *Peucedanum officinale* and other *Peucedanum* spp. and from *Prangos pabularia*

Physical Description: Prisms or plates (C₆H₆/petrol)

Melting Point: Mp 109°

Solubility: BERDY SOL: Sol. MeOH, Et₂O; poorly sol. H₂O

UV: [neutral] λ_{max} 255 (ε 25120); 295 (ε 11220); 340 (ε 5010) (MeOH) (Berdy) [neutral] λ_{max} 219 (ε 18620); 257 (ε 28840); 299 (ε 14120) (EtOH) (Berdy)

Other Data: Toxic to fish

Hazard & Toxicity: BERDY HAZD : LD₅₀ (mus, orl) 315 mg/kg

References:

Späth, E., *Ber.*, 1939, **72**, 52, (*struct, bibl*)

Schmid, H. *et al.*, *Helv. Chim. Acta*, 1951, **34**, 1982, (*synth*)

Gupta, B.K. *et al.*, *Indian J. Chem.*, 1964, **2**, 464, (*isol*)

Krivut, B.A. *et al.*, *Khim. Prir. Soedin.*, 1970, **6**, 3; *Chem. Nat. Compd. (Engl. Transl.)*, 1970, **6**, 1, (*uv*)

Perel'son, M.E. *et al.*, *Khim. Prir. Soedin.*, 1971, **7**, 576; *Chem. Nat. Compd. (Engl. Transl.)*, 1971, **7**, 557, (*pmr*)

Zakharov, P.I. *et al.*, *Khim. Prir. Soedin.*, 1974, **10**, 560; *Chem. Nat. Compd. (Engl. Transl.)*, 1974, **10**, 575, (*ms*)