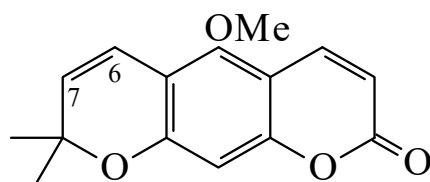




**>>Entry Name: Xanthoxyletin**

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



**CAS Registry Number:** 84-99-1

**Molecular Formula:** C<sub>15</sub>H<sub>14</sub>O<sub>4</sub>

**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:** C<sub>15</sub>H<sub>16</sub>O<sub>4</sub>

**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 (C<sub>6</sub>H<sub>6</sub>)

**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*)