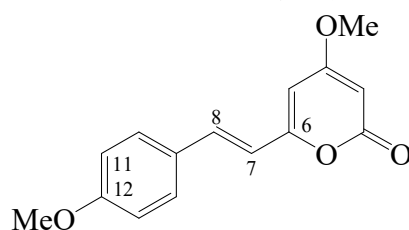




>>Entry Name: Yangonin

Synonym(s): 4-Methoxy-6-[2-(4-methoxyphenyl)ethenyl]-2H-pyran-2-one, 9Cl. 4-Methoxy-6-(4-methoxystyryl)- α -pyrone



CAS Registry Number: 500-62-9

Molecular Formula: C₁₅H₁₄O₄

Molecular Weight: 258.273

Accurate Mass: 258.08921

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

Biological Source: Constit. of Kawa root (*Piper methysticum*)

Use/Importance: Anaesthetic. Antiinflammatory, antipyretic agent. Shows muscle relaxant props.

Physical Description: Greenish-yellow cryst. with blue fluor. (MeOH or Me₂CO)

Melting Point: Mp 153-154°

Calculated Log P Data: Log P 2.7 (calc)

Hazard & Toxicity: LD₅₀ (mus, orl) >1500 mg/kg. LD₅₀ (mus, ivn) 41 mg/kg

>>Derivative: 12-O-De-Me

Synonym(s): Noryangonin

CAS Registry Number: 39986-86-2

Molecular Formula: C₁₄H₁₂O₄

Molecular Weight: 244.246

Accurate Mass: 244.07356

Percentage Composition: C 68.85%; H 4.95%; O 26.20%

Biological Source: Constit. of *Anaphalis adnata*

Physical Description: Greenish-yellow needles (Me₂CO/C₆H₆)

Melting Point: Mp 268 dec.°

>>Derivative: 12-O-De-Me, Ac

Molecular Formula: C₁₆H₁₄O₅

Molecular Weight: 286.284

Accurate Mass: 286.084125

Percentage Composition: C 67.13%; H 4.93%; O 27.94%

Melting Point: Mp 178°

>>Derivative: Di-O-de-Me

Synonym(s): 4-Hydroxy-6-(4-hydroxystyryl)-2-pyrone. **Bisnoryangonin**

CAS Registry Number: 13709-27-8

Molecular Formula: C₁₃H₁₀O₄

Molecular Weight: 230.22

Accurate Mass: 230.05791

Percentage Composition: C 67.82%; H 4.38%; O 27.80%

Biological Source: Constit. of *Gymnopilus decurrens*, *Gymnopilus spectabilis*, *Pholiota* sp. and *Polyporus* sp.

Physical Description: Cryst. (MeOH)

Melting Point: Mp 250-255° (dec.)(240-244° dec.)

Solubility: BERDY SOL: Sol. MeOH

UV: [neutral] $\lambda_{\max}$ 217 (); 364 () (No solvent reported)

>>Derivative: 12-Demethoxy