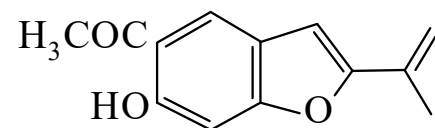




>>Entry Name: 5-Acetyl-6-hydroxy-2-isopropenylbenzofuran

Synonym(s): 1-[6-Hydroxy-2-(1-methylethenyl)-5-benzofuranyl]ethanone, 9Cl. **Euparin**



CAS Registry Number: 532-48-9

Molecular Formula: C₁₃H₁₂O₃

Molecular Weight: 216.236

Accurate Mass: 216.078645

Percentage Composition: C 72.21%; H 5.59%; O 22.20%

Biological Source: Constit. of *Eupatorium*, *Liatris* and *Senecio* spp.

Physical Description: Yellow prisms (petrol)

Melting Point: Mp 121-122°

>>Derivative: Me ether

Synonym(s): 5-Acetyl-2-isopropenyl-6-methoxybenzofuran. **O-Methyleuparin**. 6-Methoxyeuparin (incorr.)

CAS Registry Number: 34293-13-5

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 *Encelia* spp., *Enceliopsis* spp, *Flourensia macrophylla* and *Helichrysum stoechas*

Use/Importance: Shows insecticidal props.

Physical Description: Needles (EtOH aq.)

Melting Point: Mp 76-77°

References:

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Elix, J.A., *Aust. J. Chem.*, 1971, **24**, 93, (*synth*)
Werner, H. *et al.*, *J.O.C.*, 1976, **41**, 1248, (*isol*)
Schreiber, F.G. *et al.*, *J.C.S. Perkin I*, 1977, 90, (*synth*)
Bohlmann, F. *et al.*, *Phytochemistry*, 1978, **17**, 2101; 1979, **18**, 79, (*occur*)
Steelink, C. *et al.*, *J.O.C.*, 1979, **44**, 1429, (*occur*)
Proksch, P. *et al.*, *Phytochemistry*, 1983, **22**, 2335-2338, (*occur*)
Zhao, Y. *et al.*, *Planta Med.*, 1994, **60**, 91, (*cmr*)