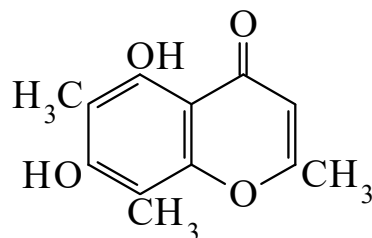




>>Entry Name: 5,7-Dihydroxy-2,6,8-trimethyl-4*H*-1-benzopyran-4-one, 9Cl

Synonym(s): 5,7-Dihydroxy-2,6,8-trimethylchromone. 8-Methyleugenitol



CAS Registry Number: 41682-21-7

Type of Compound Code(s): VI0030

Molecular Formula: C₁₂H₁₂O₄

Molecular Weight: 220.224

Accurate Mass: 220.07356

Percentage Composition: C 65.45%; H 5.49%; O 29.06%

Biological Source: Constit. of *Dianella ensifolia* and *Marsdenia tinctoria* var. *tomentosa*

Physical Description: Cryst. (MeOH)

Melting Point: Mp 282°

>>Derivative: 7-*O*-(6-*O*-Acetyl-β-D-glucopyranoside)

Synonym(s): Galapagin

CAS Registry Number: 41666-58-4

Type of Compound Code(s): VI0030

Molecular Formula: C₂₀H₂₄O₁₀

Molecular Weight: 424.404

Accurate Mass: 424.13695

Percentage Composition: C 56.60%; H 5.70%; O 37.70%

Biological Source: Isol. from the lichen *Roccella galapagoensis*

Physical Description: Pale yellow needles (MeOH)

Melting Point: Mp 163-165°

Other Data: Wrong MF given in CA and in the ref.

>>Derivative: Di-Ac

Molecular Formula: C₁₆H₁₆O₆

Molecular Weight: 304.299

Accurate Mass: 304.09469

Percentage Composition: C 63.15%; H 5.30%; O 31.55%

Physical Description: Needles (EtOAc)

Melting Point: Mp 199-201°

>>Derivative: 7-Me ether

Synonym(s): 5-Hydroxy-7-methoxy-2,6,8-trimethyl-4*H*-1-benzopyran-4-one. 5-Hydroxy-7-methoxy-2,6,8-trimethylchromone. Angustifolionol

CAS Registry Number: 478-47-7

Type of Compound Code(s): VI0030

Molecular Formula: C₁₃H₁₄O₄

Molecular Weight: 234.251

Accurate Mass: 234.08921

Percentage Composition: C 66.66%; H 6.02%; O 27.32%

Biological Source: Constit. of *Backhousia angustifolia*

Physical Description: Yellow cryst. (EtOH aq.)

Melting Point: Mp 117-118°

References:

- Birch, A.J. *et al.*, *Aust. J. Chem.*, 1954, **7**, 169; 1955, **8**, 409, (*isol, struct, synth*)
Huneck, S. *et al.*, *J. Prakt. Chem.*, 1972, **314**, 488, (*synth, uv*)
Ito, K. *et al.*, *Yakugaku Zasshi*, 1978, **98**, 1285, (*isol*)
Lojanapiwatna, V. *et al.*, *CA*, 1982, **97**, 178728, (*isol*)
Huneck, S. *et al.*, *Z. Naturforsch., B*, 1992, **47**, 449-451, (*Galapagin, isol, pmr, cmr*)