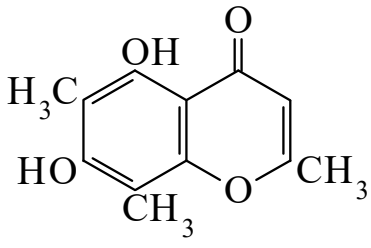
>>**Entry Name: 5,7-Dihydroxy-2,6,8-trimethyl-4*H*-1-benzopyran-4-one,** 9CI
Synonym(s): 5,7-Dihydroxy-2,6,8-trimethylchromone. **8-Methyleugenitol**



CAS Registry Number: 41682-21-7
Type of Compound Code(s): VI0030

Molecular Formula: $C_{12}H_{12}O_4$
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: $C_{20}H_{24}O_{10}$
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: $C_{16}H_{16}O_6$
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: $C_{13}H_{14}O_4$
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)*