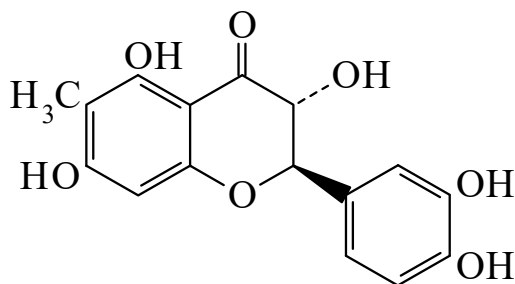




>>Entry Name: 3,3',4',5,7-Pentahydroxy-6-methylflavanone

Synonym(s): 2-(3,4-Dihydroxyphenyl)-2,3-dihydro-3,5,7-trihydroxy-6-methyl-4*H*-1-benzopyran-4-one, 9Cl. 3',4',5,7-Tetrahydroxy-6-methyldihydroflavonol. **Cedeodarin**. 6-*C*-Methyltaxifolin. 6-Methyldihydroquercetin



Molecular Formula: C₁₆H₁₄O₇

Molecular Weight: 318.282

Accurate Mass: 318.073955

Percentage Composition: C 60.38%; H 4.43%; O 35.19%

>>Variant: (2*R*,3*R*)-form

CAS Registry Number: 31076-39-8

Molecular Formula: C₁₆H₁₄O₇

Molecular Weight: 318.282

Accurate Mass: 318.073955

Percentage Composition: C 60.38%; H 4.43%; O 35.19%

Biological Source: Isol. from *Cedrus deodara* and *Populus deltoides*

Physical Description: Cryst. (MeOH/CHCl₃)

Melting Point: Mp 216-218° (194-195°)

Optical Rotation: [α]_D²⁵ +7.42 (c, 1.3 in EtOH)

References:

Pearl, I.A. *et al.*, *Can. J. Chem.*, 1971, **49**, 49, (*isol*)

Agrawal, P.K. *et al.*, *Phytochemistry*, 1980, **19**, 893, (*isol*)

Agrawal, P.K. *et al.*, *Planta Med.*, 1981, **43**, 82, (*cmr*)