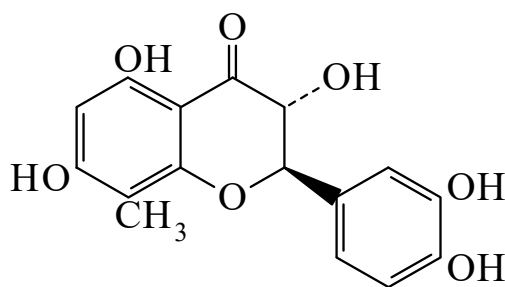




>>Entry Name: 3,3',4',5,7-Pentahydroxy-8-methylflavanone

Synonym(s): 2-(3,4-Dihydroxyphenyl)-2,3-dihydro-3,5,7-trihydroxy-8-methyl-4*H*-1-benzopyran-4-one, 9Cl. 3',4',5,7-Tetrahydroxy-8-methyldihydroflavonol. **Deodarin**



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: 33788-39-5

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*

Physical Description: Pale yellow needles +½H₂O (Me₂CO/C₆H₆)

Melting Point: Mp 248-251 dec.°

Optical Rotation: [α]_D²⁵+28.5 (c, 1.05 in Me₂CO)

References:

Adinarayana, D. *et al.*, *Tetrahedron*, 1965, **21**, 3727

Raghunathan, K. *et al.*, *Indian J. Chem.*, 1974, **12**, 1126, (*isol, synth*)