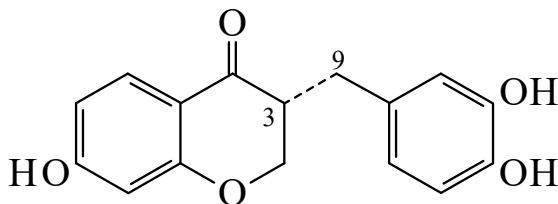




>>Entry Name: 3-(3,4-Dihydroxybenzyl)-7-hydroxy-4-chromanone

Synonym(s): 3-[(3,4-Dihydroxyphenyl)methyl]-2,3-dihydro-7-hydroxy-4*H*-1-benzopyran-4-one, 9Cl. 3-Deoxysappanone B



CAS Registry Number: 102067-88-9

Related CAS Registry Numbers(s): 113141-68-7

Molecular Formula: C₁₆H₁₄O₅

Molecular Weight: 286.284

Accurate Mass: 286.084125

Percentage Composition: C 67.13%; H 4.93%; O 27.94%

>>Variant: (*R*)-form

CAS Registry Number: 113122-54-6

Molecular Formula: C₁₆H₁₄O₅

Molecular Weight: 286.284

Accurate Mass: 286.084125

Percentage Composition: C 67.13%; H 4.93%; O 27.94%

Biological Source: Constit. of dried heartwood of *Caesalpinia sappan* (Sappan Lignum)

Physical Description: Needles

Melting Point: Mp 192-194°

Optical Rotation: $[\alpha]_D^{24} -10.3$ (c, 1.00 in MeOH)

Other Data: Partial racemate

>>Derivative: 3,9-Didehydro(*E*-)

Synonym(s): 3-(3,4-Dihydroxybenzylidene)-7-hydroxy-4-chromanone

CAS Registry Number: 104778-14-5

Molecular Formula: C₁₆H₁₂O₅

Molecular Weight: 284.268

Accurate Mass: 284.068475

Percentage Composition: C 67.60%; H 4.25%; O 28.14%

Biological Source: Constit. of Sappan Lignum (*Caesalpinia sappan*)

Physical Description: Yellow needles

Melting Point: Mp 220-221°

Optical Rotation: $[\alpha]_D$ 0

References:

Saitoh, T. *et al.*, *Chem. Pharm. Bull.*, 1986, **34**, 2506; 1987, **35**, 3597