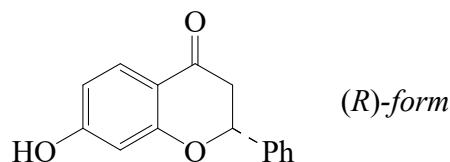




>>Entry Name: 7-Hydroxyflavanone

Synonym(s): 2,3-Dihydro-7-hydroxy-2-phenyl-4*H*-1-benzopyran-4-one, 9CI



CAS Registry Number: 6515-36-2

Related CAS Registry Numbers(s): 21785-09-1 58701-48-7

Molecular Formula: C₁₅H₁₂O₃

Molecular Weight: 240.258

Accurate Mass: 240.078645

Percentage Composition: C 74.99%; H 5.03%; O 19.98%

Aldrich: 41975-3

Sigma: H4155

>>Variant: (*R*)-form

CAS Registry Number: 41680-08-4

Molecular Formula: C₁₅H₁₂O₃

Molecular Weight: 240.258

Accurate Mass: 240.078645

Percentage Composition: C 74.99%; H 5.03%; O 19.98%

Biological Source: Isol. from *Platymiscium praecox*

Physical Description: Needles

Melting Point: Mp 190-191°

>>Derivative: *O*-β-D-Glucopyranoside

Molecular Formula: C₂₁H₂₂O₈

Molecular Weight: 402.4

Accurate Mass: 402.13147

Percentage Composition: C 62.68%; H 5.51%; O 31.81%

Biological Source: Constit. of *Clerodendron phlomidis*

>>Variant: (*S*)-form

CAS Registry Number: 2545-13-3

Molecular Formula: C₁₅H₁₂O₃

Molecular Weight: 240.258

Accurate Mass: 240.078645

Percentage Composition: C 74.99%; H 5.03%; O 19.98%

Biological Source: Isol. from *Acacia neovernicosa*, *Flemingia* spp., *Flourensia heterolepis*, *Flourensia oolepis*, *Pterocarpus marsupium*, *Larrea nitida*, *Platymiscium* spp. and *Zuccagnia punctata*

Physical Description: Needles (MeOH)

Melting Point: Mp 186°

>>Derivative: Me ether

Synonym(s): 7-Methoxyflavanone

CAS Registry Number: 72984-48-6

Molecular Formula: C₁₆H₁₄O₃

Molecular Weight: 254.285

Accurate Mass: 254.094295

Percentage Composition: C 75.58%; H 5.55%; O 18.88%

Biological Source: Isol. from *Flourensia heterolepis*

Physical Description: Yellow needles (EtOH)

Melting Point: Mp 91° (87-88°)