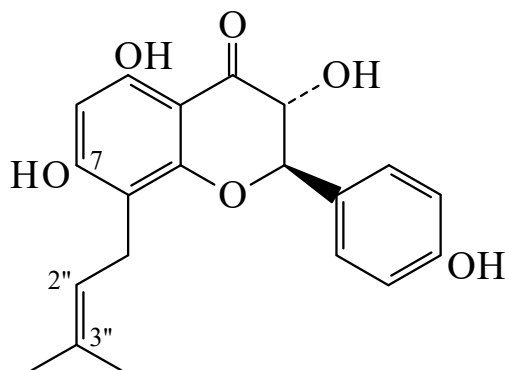




>>Entry Name: Neophellamuretin

Synonym(s): 2,3-Dihydro-3,5,7-trihydroxy-2-(4-hydroxyphenyl)-8-(3-methyl-2-butenyl)-4*H*-1-benzopyran-4-one, 9Cl. 3,4',5,7-Tetrahydroxy-8-prenylflavanone. 4',5,7-Trihydroxy-8-prenyldihydroflavonol



CAS Registry Number: 70594-41-1

Related CAS Registry Numbers(s): 156216-79-4 156258-54-7

Molecular Formula: C₂₀H₂₀O₆

Molecular Weight: 356.374

Accurate Mass: 356.12599

Percentage Composition: C 67.41%; H 5.66%; O 26.94%

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

CAS Registry Number: 52589-20-5

Molecular Formula: C₂₀H₂₀O₆

Molecular Weight: 356.374

Accurate Mass: 356.12599

Percentage Composition: C 67.41%; H 5.66%; O 26.94%

Biological Source: Isol. from *Marshallia obovata* and *Ougeinia dalbergioides*

Physical Description: Plates (C₆H₆/EtOAc/petrol)

Melting Point: Mp 190°

>>Derivative: 7-*O*-β-D-Glucopyranoside

Synonym(s): Phellamurin

CAS Registry Number: 52589-11-4

Molecular Formula: C₂₆H₃₀O₁₁

Molecular Weight: 518.516

Accurate Mass: 518.178815

Percentage Composition: C 60.23%; H 5.83%; O 33.94%

Biological Source: Glycoside from leaves of *Phellodendron amurense*

Physical Description: Needles

Melting Point: Mp 205°

>>Derivative: 2'',3''-Dihydro, 3''-hydroxy

Synonym(s): 3,4',5,7-Tetrahydroxy-8-(3-hydroxy-3-methylbutyl)flavanone

CAS Registry Number: 124901-83-3

Molecular Formula: C₂₀H₂₂O₇

Molecular Weight: 374.39

Accurate Mass: 374.136555

Percentage Composition: C 64.16%; H 5.92%; O 29.91%

Biological Source: Constit. of *Bursera leptophloeos*

Melting Point: Mp 221-222°

>>Derivative: 7-*O*-(6-*O*-Malonyl-β-D-glucopyranoside)

CAS Registry Number: 156216-76-1

Molecular Formula: C₂₉H₃₂O₁₄

Molecular Weight: 604.563

Accurate Mass: 604.17921

Percentage Composition: C 57.61%; H 5.33%; O 37.05%

Biological Source: Constit. of the leaves of *Phellodendron japonicum*