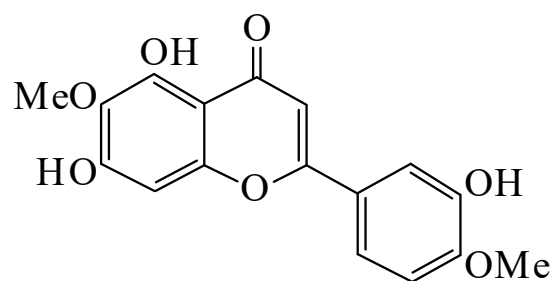




>>Entry Name: 3',5,7-Trihydroxy-4',6-dimethoxyflavone, 8Cl

Synonym(s): 5,7-Dihydroxy-2-(3-hydroxy-4-methoxyphenyl)-6-methoxy-4*H*-1-benzopyran-4-one, 9Cl. 3-Demethoxycentaureidin. Desmethoxycentaureidin



CAS Registry Number: 22934-99-2

Molecular Formula: C₁₇H₁₄O₇

Molecular Weight: 330.293

Accurate Mass: 330.073955

Percentage Composition: C 61.82%; H 4.27%; O 33.91%

Biological Source: Constit. of *Centaurea nigrescens*, *Centaurea phrygia*, *Artemisia artica* and others

Physical Description: Yellow cryst. (Et₂O)

Melting Point: Mp 269-272 dec.°

>>Derivative: Tri-Ac

CAS Registry Number: 17313-56-3

Molecular Formula: C₂₃H₂₀O₁₀

Molecular Weight: 456.405

Percentage Composition: C 60.53%; H 4.42%; O 35.06%

Physical Description: Cryst. (Et₂O/petrol)

Melting Point: Mp 189-190°

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

CAS Registry Number: 67557-77-1

Molecular Formula: C₂₃H₂₄O₁₂

Molecular Weight: 492.435

Accurate Mass: 492.12678

Percentage Composition: C 56.10%; H 4.91%; O 38.99%

Biological Source: Isol. from *Globularia cordifolia*

>>Derivative: 7-*O*-Rutinoside

CAS Registry Number: 76633-80-2

Molecular Formula: C₂₉H₃₄O₁₆

Molecular Weight: 638.578

Accurate Mass: 638.18469

Percentage Composition: C 54.55%; H 5.37%; O 40.09%

Biological Source: Isol. from *Globularia cordifolia*

>>Derivative: 7-*O*-[6-[3-3,4-Dihydroxycinnamoyl(*E*)-]-β-D-glucopyranoside]

Synonym(s): Gnaphaloside A

CAS Registry Number: 72680-50-3

Molecular Formula: C₃₂H₃₀O₁₅

Molecular Weight: 654.58

Accurate Mass: 654.158475

Percentage Composition: C 58.72%; H 4.62%; O 36.66%

Biological Source: Constit. of *Gnaphalium uliginosum*

Use/Importance: Yellow cryst.

Physical Description: 161-163

Optical Rotation: [α]_D²⁰ -29.5 (c, 1 in DMF)

References: