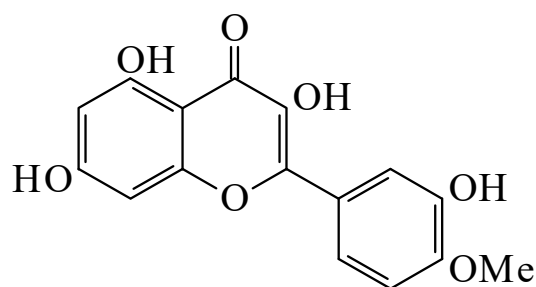




>>Entry Name: 3,3',5,7-Tetrahydroxy-4'-methoxyflavone

Synonym(s): 3,5,7-Trihydroxy-2-(3-hydroxy-4-methoxyphenyl)-4*H*-1-benzopyran-4-one. 3',5,7-Trihydroxy-4'-methoxyflavonol. **Tamarixetin**



CAS Registry Number: 603-61-2

Related CAS Registry Numbers(s): 29297-73-2 50838-09-0

Molecular Formula: C₁₆H₁₂O₇

Molecular Weight: 316.267

Accurate Mass: 316.058305

Percentage Composition: C 60.76%; H 3.82%; O 35.41%

Biological Source: Isol. from *Tamarix* spp., *Thevetia* sp., *Achyrocline flaccida*, *Balsamorhiza macrophylla* and *Gossypium hirsutum* and other plants

Physical Description: Bright yellow prisms

Melting Point: Mp 260° (256-257°)

>>Derivative: 3-*O*-Sulfate

Molecular Formula: C₁₆H₁₂O₁₀S

Molecular Weight: 396.331

Accurate Mass: 396.01512

Percentage Composition: C 48.49%; H 3.05%; O 40.37%; S 8.09%

Biological Source: Isol. from *Tamarix* spp.

Melting Point: Mp 316-317° (as K salt)

>>Derivative: 3-*O*-Arabinoside

CAS Registry Number: 52253-94-8

Molecular Formula: C₂₁H₂₀O₁₁

Molecular Weight: 448.382

Accurate Mass: 448.100565

Percentage Composition: C 56.25%; H 4.50%; O 39.25%

Biological Source: Isol. from *Amsonia ciliata*

>>Derivative: 3-*O*-α-L-Rhamnopyranoside

CAS Registry Number: 87562-18-3

Molecular Formula: C₂₂H₂₂O₁₁

Molecular Weight: 462.409

Accurate Mass: 462.116215

Percentage Composition: C 57.14%; H 4.80%; O 38.06%

Biological Source: Isol. from *Flemingia stricta*

Physical Description: Cryst.

>>Derivative: 3-*O*-β-D-Glucopyranoside

Synonym(s): Tamarixin

CAS Registry Number: 27542-39-8

Molecular Formula: C₂₂H₂₂O₁₂

Molecular Weight: 478.409

Accurate Mass: 478.11113

Percentage Composition: C 55.23%; H 4.63%; O 40.13%

Biological Source: Isol. from *Tamarix* spp. and *Astragalus miser*

Physical Description: Prisms (EtOH aq.)

Melting Point: Mp 315-317°