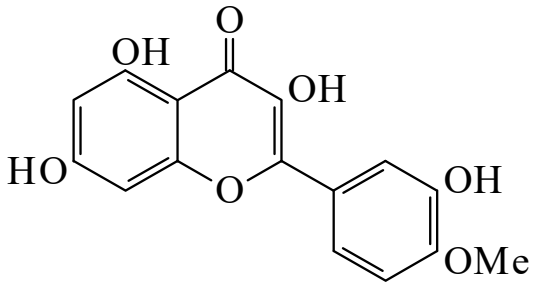
>>**Entry Name: 3,3',5,7-Tetrahydroxy-4'-methoxyflavone**
Synonym(s): 3,5,7-Trihydroxy-2-(3-hydroxy-4-methoxyphenyl)-4*H*-1-benzopyran-4-one. 3',5,7-Trihydroxy-4'-methoxyflavonol. **Tamarixetin**



CAS Registry Number: 603-61-2
Related CAS Registry Numbers(s): 29297-73-2 50838-09-0

Molecular Formula: $C_{16}H_{12}O_7$
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: $C_{16}H_{12}O_{10}S$
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: $C_{21}H_{20}O_{11}$
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: $C_{22}H_{22}O_{11}$
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: $C_{22}H_{22}O_{12}$
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°