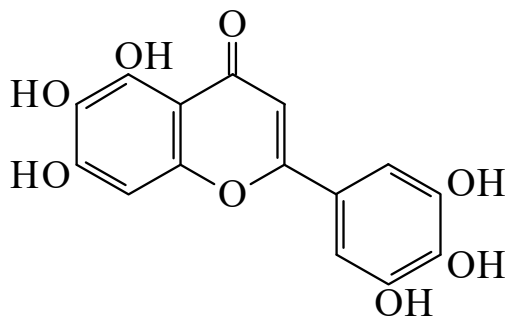




>>Entry Name: 3',4',5,5',6,7-Hexahydroxyflavone

Synonym(s): 5,6,7-Trihydroxy-2-(3,4,5-trihydroxyphenyl)-4*H*-1-benzopyran-4-one



CAS Registry Number: 68708-52-1

Molecular Formula: C<sub>15</sub>H<sub>10</sub>O<sub>8</sub>

Molecular Weight: 318.239

Accurate Mass: 318.03757

Percentage Composition: C 56.61%; H 3.17%; O 40.22%

Physical Description: Yellow prisms

Melting Point: Mp 340°

>>Derivative: 4',6-Di-Me ether

Synonym(s): 3',5,5',7-Tetrahydroxy-4',6-dimethoxyflavone

CAS Registry Number: 125537-92-0

Molecular Formula: C<sub>17</sub>H<sub>14</sub>O<sub>8</sub>

Molecular Weight: 346.293

Accurate Mass: 346.06887

Percentage Composition: C 58.96%; H 4.07%; O 36.96%

Biological Source: Constit. of the aerial parts of *Artemisia salsoloides*

>>Derivative: 5',6-Di-Me ether

Synonym(s): 3',4',5,7-Tetrahydroxy-5',6-dimethoxyflavone

CAS Registry Number: 79154-47-5

Molecular Formula: C<sub>17</sub>H<sub>14</sub>O<sub>8</sub>

Molecular Weight: 346.293

Accurate Mass: 346.06887

Percentage Composition: C 58.96%; H 4.07%; O 36.96%

Biological Source: Constit. of *Artemisia hispanica*, *Artemisia frigida* and *Artemisia ludoviciana*

Physical Description: Yellow plates (MeOH)

Melting Point: Mp 267-269°

>>Derivative: 6,7-Di-Me ether

Synonym(s): 3',4',5,5'-Tetrahydroxy-6,7-dimethoxyflavone

CAS Registry Number: 115713-04-7

Molecular Formula: C<sub>17</sub>H<sub>14</sub>O<sub>8</sub>

Molecular Weight: 346.293

Accurate Mass: 346.06887

Percentage Composition: C 58.96%; H 4.07%; O 36.96%

Biological Source: Constit. of *Gutierrezia sphaerocephala*

>>Derivative: 3',5',6-Tri-Me ether

Synonym(s): 4',5,7-Trihydroxy-3',5',6-trimethoxyflavone

CAS Registry Number: 76015-42-4

Molecular Formula: C<sub>18</sub>H<sub>16</sub>O<sub>8</sub>

Molecular Weight: 360.32

Accurate Mass: 360.08452

Percentage Composition: C 60.00%; H 4.48%; O 35.52%

Biological Source: Isol. from *Artemisia* spp. and other plants

Physical Description: Fine yellow cryst. (MeOH)

Melting Point: Mp 223-224° (187-189°, 210-212°)