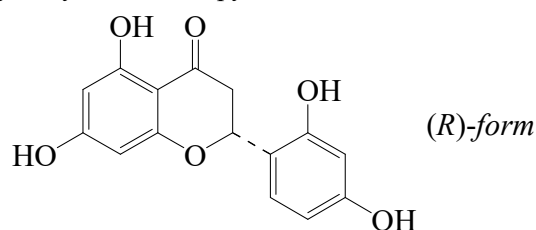




>>Entry Name: 2',4',5,7-Tetrahydroxyflavanone

Synonym(s): 2-(2,4-Dihydroxyphenyl)-2,3-dihydro-5,7-dihydroxy-4*H*-1-benzopyran-4-one, 9Cl. **Norartocarpanone**. Steppogenin



CAS Registry Number: 121694-88-0

Related CAS Registry Numbers(s): 73036-53-0 116222-57-2

Molecular Formula: C<sub>15</sub>H<sub>12</sub>O<sub>6</sub>

Molecular Weight: 288.256

Accurate Mass: 288.06339

Percentage Composition: C 62.50%; H 4.20%; O 33.30%

>>Variant: (*R*)-form

Molecular Formula: C<sub>15</sub>H<sub>12</sub>O<sub>6</sub>

Molecular Weight: 288.256

Accurate Mass: 288.06339

Percentage Composition: C 62.50%; H 4.20%; O 33.30%

>>Derivative: 4'-*O*-β-D-Glucopyranoside

Molecular Formula: C<sub>21</sub>H<sub>22</sub>O<sub>11</sub>

Molecular Weight: 450.398

Accurate Mass: 450.116215

Percentage Composition: C 56.00%; H 4.92%; O 39.08%

Biological Source: Constit. of the bark of *Maclura tinctoria*

Physical Description: Amorph. solid

Melting Point: Mp 259-263°

Optical Rotation: [α]<sub>D</sub> -65.5 (c, 1 in MeOH)

UV: [neutral] λ<sub>max</sub> 286 (); 332 (sh) () (MeOH)

Other Data: Assignment of config. dubious

>>Variant: (*S*)-form

CAS Registry Number: 56486-94-3

Molecular Formula: C<sub>15</sub>H<sub>12</sub>O<sub>6</sub>

Molecular Weight: 288.256

Accurate Mass: 288.06339

Percentage Composition: C 62.50%; H 4.20%; O 33.30%

Biological Source: Isol. from *Euphorbia stepposa* and *Artocarpus incisus*

Physical Description: Prisms

Melting Point: Mp 255-257°

Optical Rotation: [α]<sub>D</sub> +14.5 (c, 0.1 in MeOH)

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

Synonym(s): Stepposide

CAS Registry Number: 20194-60-9

Molecular Formula: C<sub>21</sub>H<sub>22</sub>O<sub>11</sub>

Molecular Weight: 450.398

Accurate Mass: 450.116215

Percentage Composition: C 56.00%; H 4.92%; O 39.08%

Biological Source: Isol. from *Euphorbia stepposa*

Physical Description: Needles

Melting Point: Mp 148-150°

Optical Rotation: [α]<sub>D</sub><sup>20</sup> -52.5 (c, 1.12 in MeOH)