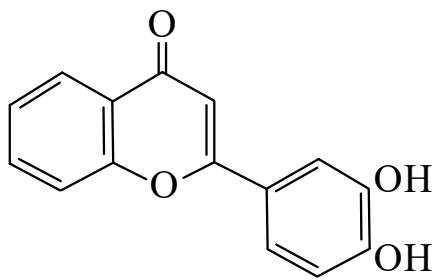




>>Entry Name: 3',4'-Dihydroxyflavone, 8Cl

Synonym(s): 2-(3,4-Dihydroxyphenyl)-4H-1-benzopyran-4-one, 9Cl



CAS Registry Number: 4143-64-0

Molecular Formula: C<sub>15</sub>H<sub>10</sub>O<sub>4</sub>

Molecular Weight: 254.242

Accurate Mass: 254.05791

Percentage Composition: C 70.86%; H 3.96%; O 25.17%

Biological Source: Found as glucoside in flowers of *Primula officinalis*

Physical Description: Light-yellow cryst. (EtOH)

Melting Point: Mp 243°

>>Derivative: Di-Ac

Molecular Formula: C<sub>19</sub>H<sub>14</sub>O<sub>6</sub>

Molecular Weight: 338.316

Percentage Composition: C 67.45%; H 4.17%; O 28.37%

Physical Description: Needles (EtOH)

Melting Point: Mp 172°

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

Molecular Formula: C<sub>21</sub>H<sub>20</sub>O<sub>9</sub>

Molecular Weight: 416.384

Accurate Mass: 416.110735

Percentage Composition: C 60.58%; H 4.84%; O 34.58%

Biological Source: Isol. from heartwood of *Rhus* spp.

>>Derivative: 3'-Me ether

Synonym(s): 4'-Hydroxy-3'-methoxyflavone

CAS Registry Number: 4143-73-1

Molecular Formula: C<sub>16</sub>H<sub>12</sub>O<sub>4</sub>

Molecular Weight: 268.268

Accurate Mass: 268.07356

Percentage Composition: C 71.64%; H 4.51%; O 23.86%

Physical Description: Light-yellow cryst. (EtOH aq.)

Melting Point: Mp 194-195°

>>Derivative: 4'-Me ether

Synonym(s): 3'-Hydroxy-4'-methoxyflavone

Molecular Formula: C<sub>16</sub>H<sub>12</sub>O<sub>4</sub>

Molecular Weight: 268.268

Accurate Mass: 268.07356

Percentage Composition: C 71.64%; H 4.51%; O 23.86%

Biological Source: Isol. from *Millettia zechiana*

Physical Description: Cryst. (MeOH)

Melting Point: Mp 178-179°