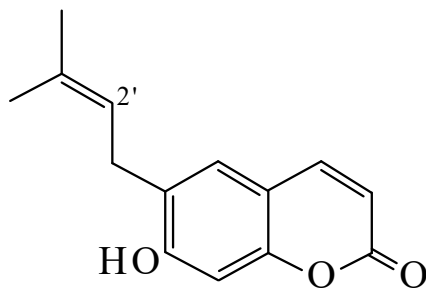




>>Entry Name: 7-Hydroxy-6-prenylcoumarin

Synonym(s): 7-Hydroxy-6-(3-methyl-2-butenyl)-2*H*-1-benzopyran-2-one, 9Cl. Demethylsuberosin



CAS Registry Number: 21422-04-8

Molecular Formula: C<sub>14</sub>H<sub>14</sub>O<sub>3</sub>

Molecular Weight: 230.263

Accurate Mass: 230.094295

Percentage Composition: C 73.03%; H 6.13%; O 20.84%

Biological Source: Obt. from *Brosimum rubescens* and *Angelica dahuricae*

Physical Description: Yellow cryst. (Me<sub>2</sub>CO/hexane)

Melting Point: Mp 133-134°

UV: [neutral] λ<sub>max</sub> 222 (ε 13500); 248 (ε 3600); 256 (ε 3100); 334 (log ε 12700) (no solvent reported) [neutral] λ<sub>max</sub> 222 (ε 13500); 248 (ε 3600); 256 (ε 3100); 334 (ε 12700) (MeOH) (Berdy)

>>Derivative: Me ether

Synonym(s): 7-Methoxy-6-(3-methyl-2-butenyl)-2*H*-1-benzopyran-2-one, 9Cl. 7-Methoxy-6-prenylcoumarin. Suberosin

CAS Registry Number: 581-31-7

Molecular Formula: C<sub>15</sub>H<sub>16</sub>O<sub>3</sub>

Molecular Weight: 244.29

Accurate Mass: 244.109945

Percentage Composition: C 73.75%; H 6.60%; O 19.65%

Biological Source: Isol. from *Zanthoxylum* spp., *Hesperethusa crenulata*, *Prangos pabularia*, *Seseli indicum* and *Platitenia absinthifolia*

Physical Description: Prisms (MeOH)

Melting Point: Mp 87-88°

>>Derivative: 2',3'-Epoxide, Me ether

Synonym(s): Suberosin epoxide

Molecular Formula: C<sub>15</sub>H<sub>16</sub>O<sub>4</sub>

Molecular Weight: 260.289

Accurate Mass: 260.10486

Percentage Composition: C 69.22%; H 6.20%; O 24.59%

Biological Source: Isol. from *Hesperethusa crenulata*

Melting Point: Mp 121-121.5°

Other Data: Racemic

>>Derivative: 2',3'-Dihydro, 3'-hydroxy

Synonym(s): 7-Hydroxy-6-(3-hydroxy-3-methylbutyl)-2*H*-1-benzopyran-2-one. Swietenol

CAS Registry Number: 63524-09-4

Molecular Formula: C<sub>14</sub>H<sub>16</sub>O<sub>4</sub>

Molecular Weight: 248.278

Accurate Mass: 248.10486

Percentage Composition: C 67.73%; H 6.50%; O 25.78%

Biological Source: Isol. from *Chloroxylon swietenia*

>>Derivative: 2',3'-Dihydro, 2',3'-dihydroxy

References: