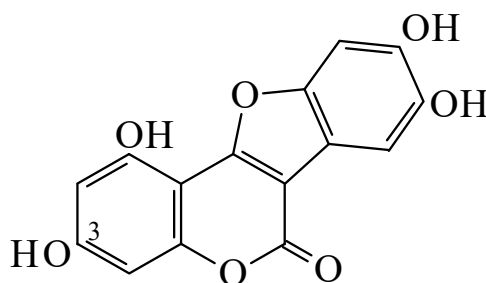




>>Entry Name: **1,3,8,9-Tetrahydroxycoumestan**

Synonym(s): 1,3,8,9-Tetrahydroxy-6*H*-benzofuro[3,2-*c*][1]benzopyran-6-one, 9Cl, 8Cl. 5,7,11,12-Tetrahydroxycoumestan. **Desmethylwedelolactone**. Norwedelolactone. Demethylwedelolactone



CAS Registry Number: 6468-55-9

Molecular Formula: C₁₅H₈O₇

Molecular Weight: 300.224

Accurate Mass: 300.027005

Percentage Composition: C 60.01%; H 2.69%; O 37.30%

Biological Source: Constit. of *Wedelia calendulacea* and *Eclipta alba*

Use/Importance: Estrogen

Melting Point: Mp 360°

Calculated Log P Data: Log P 2.03 (calc)

>>Derivative: 3-*O*-β-D-Glucopyranoside

CAS Registry Number: 30414-09-6

Molecular Formula: C₂₁H₁₈O₁₂

Molecular Weight: 462.366

Accurate Mass: 462.07983

Percentage Composition: C 54.55%; H 3.92%; O 41.52%

Biological Source: Isol. from leaves of *Eclipta alba*

Melting Point: Mp 340°

>>Derivative: Tetra-Ac

Molecular Formula: C₂₃H₁₆O₁₁

Molecular Weight: 468.373

Accurate Mass: 468.069265

Percentage Composition: C 58.98%; H 3.44%; O 37.58%

Melting Point: Mp 270-272°

>>Derivative: 3-Me ether

Synonym(s): 5,11,12-Trihydroxy-7-methoxycoumestan. **Wedelolactone**

CAS Registry Number: 524-12-9

Molecular Formula: C₁₆H₁₀O₇

Molecular Weight: 314.251

Accurate Mass: 314.042655

Percentage Composition: C 61.15%; H 3.21%; O 35.64%

Biological Source: Constit. of *Wedelia calendulacea* and *Eclipta alba*

Physical Description: Greenish-yellow needles (MeOH)

Melting Point: Mp 327-330 dec.°

>>Derivative: 1,8-Di-Me ether

Synonym(s): **3,9-Dihydroxy-1,8-dimethoxycoumestan**

Molecular Formula: C₁₇H₁₂O₇

Molecular Weight: 328.278

Accurate Mass: 328.058305

Percentage Composition: C 62.20%; H 3.68%; O 34.12%

Biological Source: Constit. of *Mnium hornum*