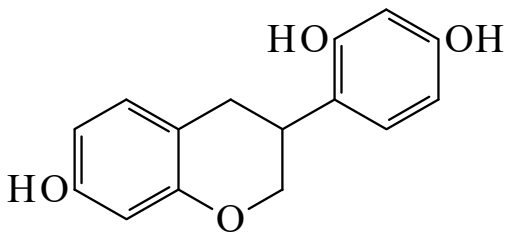
>>**Entry Name: 2',4',7-Trihydroxyisoflavan**
Synonym(s): 4-(3,4-Dihydro-7-hydroxy-2*H*-1-benzopyran-4-yl)-1,3-benzenediol, 9CI. 3,4-Dihydro-3-(2,4-dihydroxyphenyl)-7-hydroxy-2*H*-1-benzopyran. **Demethylvestitol**



CAS Registry Number: 65332-45-8
Related CAS Registry Numbers(s): 64190-84-7 75556-92-2

Molecular Formula: $C_{15}H_{14}O_4$
Molecular Weight: 258.273
Accurate Mass: 258.08921
Percentage Composition: C 69.76%; H 5.46%; O 24.78%

Biological Source: Isol. from *Anthyllis vulneraria, Erythrina sandwicensis, Hosackia americana, Lablab niger, Lotus* spp., *Phaseolus vulgaris* and *Tetragonolobus* spp. as a phytoalexin
UV: [neutral] λ_{max} 209 (); 283 () (EtOH) (Berdy) [base] λ_{max} 219 (); 297 () (EtOH-NaOH) (Berdy)

>>**Derivative:** 2'-Me ether
Synonym(s): 4',7-Dihydroxy-2'-methoxyisoflavan. **Isovestitol**

CAS Registry Number: 63631-42-5

Molecular Formula: $C_{16}H_{16}O_4$
Molecular Weight: 272.3
Accurate Mass: 272.10486
Percentage Composition: C 70.58%; H 5.92%; O 23.50%
Biological Source: Phytoalexin of *Anthyllis vulneraria, Erythrina sandwicensis, Hosackia americana, Lablab niger, Tetragonolobus* spp. and *Trifolium* spp.
Physical Description: Needles
Melting Point: Mp 95-97°
UV: [neutral] λ_{max} 209 (); 282 () (EtOH) (Berdy) [base] λ_{max} 219 (); 243 (); 295 () (EtOH-NaOH) (Berdy)

>>**Derivative:** 4'-Me ether

>>**Derivative:** 7-Me ether
Synonym(s): 2',4'-Dihydroxy-7-methoxyisoflavan. **Neovestitol**

CAS Registry Number: 71772-21-9

Molecular Formula: $C_{16}H_{16}O_4$
Molecular Weight: 272.3
Accurate Mass: 272.10486
Percentage Composition: C 70.58%; H 5.92%; O 23.50%
Biological Source: Isol. from leaves of *Dalbergia sericea*
UV: [neutral] λ_{max} 212 (); 284 (); 289 () (EtOH) (Berdy) [base] λ_{max} 215 (); 291 () (EtOH-NaOH) (Berdy)

>>**Derivative:** 2',4'-Di-Me ether
Synonym(s): 7-Hydroxy-2',4'-dimethoxyisoflavan. **Sativan.** Sativin. 2'-*O*-Methylvestitol

CAS Registry Number: 41743-86-6

Molecular Formula: $C_{17}H_{18}O_4$
Molecular Weight: 286.327
Accurate Mass: 286.12051
Percentage Composition: C 71.31%; H 6.34%; O 22.35%
Biological Source: Isol. from *Derris amazonica*, and phytoalexin of *Lotus* spp., *Medicago* spp., *Trifolium* spp. and *Trigonella* spp.
Physical Description: Cryst.
Melting Point: Mp 128-129° (125-127°)
Optical Rotation: $[\alpha]_D^{22}$ –15
UV: [neutral] λ_{max} 286 () (MeOH) (Berdy)
Other Data: Mp. refers to the (*S*)-enantiomer from *D. amazonica*