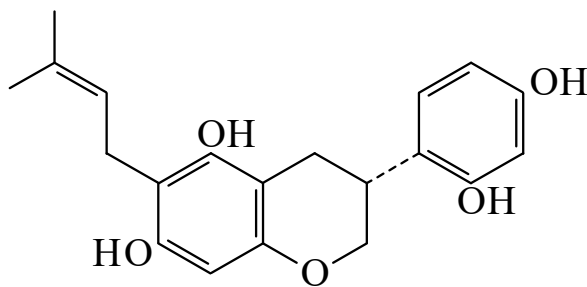




>>Entry Name: 2',4',5,7-Tetrahydroxy-6-prenylisoflavan

Synonym(s): 3,4-Dihydro-5,7-dihydroxy-3-(2,4-dihydroxyphenyl)-6-(3-methyl-2-butenyl)-2*H*-1-benzopyran, 9Cl



Molecular Formula: C₂₀H₂₂O₅

Molecular Weight: 342.391

Accurate Mass: 342.146725

Percentage Composition: C 70.16%; H 6.48%; O 23.36%

>>Variant: (*R*)-form

Molecular Formula: C₂₀H₂₂O₅

Molecular Weight: 342.391

Accurate Mass: 342.146725

Percentage Composition: C 70.16%; H 6.48%; O 23.36%

>>Derivative: 5-Me ether

Synonym(s): 2',4',7-Trihydroxy-5-methoxy-6-prenylisoflavan. **Glyasperin C**

CAS Registry Number: 142474-53-1

Molecular Formula: C₂₁H₂₄O₅

Molecular Weight: 356.418

Accurate Mass: 356.162375

Percentage Composition: C 70.77%; H 6.79%; O 22.44%

Biological Source: Isol. from *Glycyrrhiza aspera*

Physical Description: Needles (Me₂CO)

Melting Point: Mp 79-80°

Optical Rotation: $[\alpha]_{\text{D}}^{20} -15.6$ (c, 0.42 in MeOH)

>>Derivative: 5,7-Di-Me ether

Synonym(s): 2',4'-Dihydroxy-5,7-dimethoxy-6-prenylisoflavan. **Glyasperin D**

CAS Registry Number: 142561-10-2

Molecular Formula: C₂₂H₂₆O₅

Molecular Weight: 370.444

Accurate Mass: 370.178025

Percentage Composition: C 71.33%; H 7.07%; O 21.59%

Biological Source: Isol. from *Glycyrrhiza aspera*

Physical Description: Prisms (Me₂CO)

Melting Point: Mp 111-114°

Optical Rotation: $[\alpha]_{\text{D}}^{20} -13.4$ (c, 0.21 in MeOH)

>>Derivative: 2',5-Di-Me ether

Synonym(s): 4',7-Dihydroxy-2',5-dimethoxy-6-prenylisoflavan. **Glyasperin I**

CAS Registry Number: 145382-64-5

Molecular Formula: C₂₂H₂₆O₅

Molecular Weight: 370.444

Accurate Mass: 370.178025

Percentage Composition: C 71.33%; H 7.07%; O 21.59%

Biological Source: Isol. from the roots of *Glycyrrhiza aspera*

Physical Description: Amorph. powder

Optical Rotation: $[\alpha]_{\text{D}}^{20} -5.3$ (c, 0.095 in CHCl₃)

References:

Zeng, L. *et al.*, *Heterocycles*, 1992, **34**, 575; 1813, (*isol*)