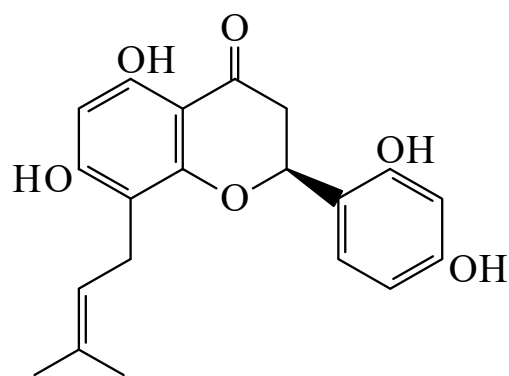




>>Entry Name: 2',4',5,7-Tetrahydroxy-8-prenylflavanone

Synonym(s): Leachianone G



(*S*)-form

Molecular Formula: C₂₀H₂₀O₆

Molecular Weight: 356.374

Accurate Mass: 356.12599

Percentage Composition: C 67.41%; H 5.66%; O 26.94%

>>Variant: (*S*)-form

CAS Registry Number: 152464-78-3

Molecular Formula: C₂₀H₂₀O₆

Molecular Weight: 356.374

Accurate Mass: 356.12599

Percentage Composition: C 67.41%; H 5.66%; O 26.94%

Biological Source: Constit. of *Sophora leachiana*

Physical Description: Powder

>>Derivative: 2'-Me ether

Synonym(s): 4',5,7-Trihydroxy-2'-methoxy-8-prenylflavanone

CAS Registry Number: 99646-55-6

Molecular Formula: C₂₁H₂₂O₆

Molecular Weight: 370.401

Accurate Mass: 370.14164

Percentage Composition: C 68.10%; H 5.99%; O 25.92%

Biological Source: Constit. of the leaves of *Wyethia glabra*

>>Derivative: 7-Me ether

Synonym(s): 2',4',5-Trihydroxy-7-methoxy-8-prenylflavanone. **Kenusanone I**

CAS Registry Number: 151782-74-0

Molecular Formula: C₂₁H₂₂O₆

Molecular Weight: 370.401

Accurate Mass: 370.14164

Percentage Composition: C 68.10%; H 5.99%; O 25.92%

Biological Source: Constit. of *Echinosophora koreensis*

Physical Description: Powder

>>Derivative: 2',4'-Di-Me ether, 2'',3''-epoxide

Synonym(s): 8-(2,3-Epoxy-3-methylbutyl)-5,7-dihydroxy-2',4'-dimethoxyflavanone

CAS Registry Number: 208714-89-0

Molecular Formula: C₂₂H₂₄O₇

Molecular Weight: 400.427

Accurate Mass: 400.152205

Percentage Composition: C 65.99%; H 6.04%; O 27.97%

Biological Source: Constit. of *Atylosia scarabaeoides*

Physical Description: Light brown needles (MeOH)

Melting Point: Mp 254°

Optical Rotation: [α]_D²³ -194 (c, 0.05 in MeOH)

UV: [neutral] $\lambda_{\max}$ 288 (log ϵ 4.35); 344 (log ϵ 4.54) (MeOH)

References: