



Physical Description: Cryst. (Me₂CO)
Melting Point: Mp 218-220°
Optical Rotation: [α]_D¹⁵ -46 (c, 0.9 in CHCl₃)

>> **Derivative:** 7-Me ether

Synonym(s): 5-Hydroxy-7-methoxyflavanone. **Pinostrobin.** Glyunnanin

CAS Registry Number: 480-37-5

Molecular Formula: C₁₆H₁₄O₄

Molecular Weight: 270.284

Accurate Mass: 270.08921

Percentage Composition: C 71.10%; H 5.22%; O 23.68%

Biological Source: Isol. from *Boesenbergia pandurata*, *Myrica pensylvanica*, *Piper* spp., the fern *Onychium siliculosum*, *Aniba riparia*, *Larix dahurica*, *Helichrysum polycladum*, *Prunus cerasus*, *Agonis spathulata*, *Pinus*, *Alnus* and *Populus* spp.

Physical Description: Needles (MeOH)

Melting Point: Mp 112-113° (100-101°)

Optical Rotation: [α]_D²⁰ -56 (CHCl₃)

Other Data: Config. of Glyunnanin not detd.

>> **Derivative:** 7-Me ether, 5-*O*- β -D-glucopyranoside

CAS Registry Number: 115799-14-9

Molecular Formula: C₂₂H₂₄O₉

Molecular Weight: 432.426

Accurate Mass: 432.142035

Percentage Composition: C 61.11%; H 5.59%; O 33.30%

Biological Source: Constit. of the bark of *Prunus cerasus* and *Pyracantha coccinea*

Physical Description: Powder

>> **Derivative:** Di-Me ether

Synonym(s): 5,7-Dimethoxyflavanone

CAS Registry Number: 36052-66-1

Molecular Formula: C₁₇H₁₆O₄

Molecular Weight: 284.311

Accurate Mass: 284.10486

Percentage Composition: C 71.82%; H 5.67%; O 22.51%

Biological Source: Isol. from *Eucalyptus sieberi*, *Boesenbergia pandurata*, *Aniba riparia* and *Eucalyptus* spp.

Physical Description: Cryst. (Me₂CO)

Melting Point: Mp 159-160°

Optical Rotation: [α]_D¹⁵ -45.8 (1:1 Me₂CO/CHCl₃)

>> **Derivative:** 7-*O*-(3-Methyl-2-butenyl)

Synonym(s): 5-Hydroxy-7-prenyloxyflavanone. **7-*O*-Prenylpinocembrin**

CAS Registry Number: 94393-10-9

Molecular Formula: C₂₀H₂₀O₄

Molecular Weight: 324.376

Accurate Mass: 324.13616

Percentage Composition: C 74.06%; H 6.21%; O 19.73%

Biological Source: Isol. from *Helichrysum athrixifolium*, *Helichrysum rugulosum* and *Platanus acerifolia*

Physical Description: Oil

>> **Derivative:** 7-*O*-(2,3-Epoxy-3-methylbutyl)

CAS Registry Number: 117611-69-5

Molecular Formula: C₂₀H₂₀O₅

Molecular Weight: 340.375

Accurate Mass: 340.131075

Percentage Composition: C 70.58%; H 5.92%; O 23.50%

Biological Source: Isol. from *Achyrocline flaccida*

Physical Description: No phys. props. reported