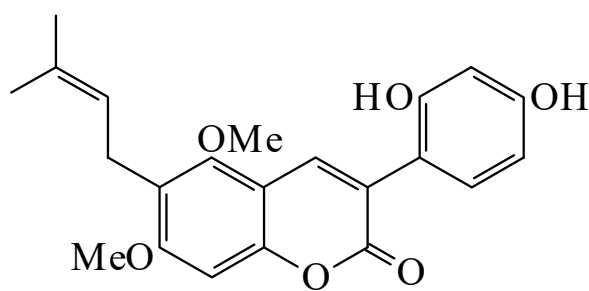




>>Entry Name: Glycyrin

ENTRY UNDER REVIEW

Synonym(s): 3-(2,4-Dihydroxyphenyl)-5,7-dimethoxy-6-(3-methyl-2-butenyl)-2*H*-1-benzopyran-2-one, 9Cl. 3-(2,4-Dihydroxyphenyl)-5,7-dimethoxy-6-prenylcoumarin



CAS Registry Number: 66056-18-6

Molecular Formula: C₂₂H₂₂O₆

Molecular Weight: 382.412

Accurate Mass: 382.14164

Percentage Composition: C 69.10%; H 5.80%; O 25.10%

Biological Source: Isol. from roots of *Glycyrrhiza* sp. (licorice)

Physical Description: Yellow needles

Melting Point: Mp 209-211°

>>Derivative: Di-Me ether

CAS Registry Number: 66056-33-5

Molecular Formula: C₂₄H₂₆O₆

Molecular Weight: 410.466

Percentage Composition: C 70.23%; H 6.38%; O 23.39%

Physical Description: Needles (MeOH aq.)

Melting Point: Mp 78-80°

>>Derivative: 7-*O*-De-Me

Synonym(s): 3-(2,4-Dihydroxyphenyl)-7-hydroxy-5-methoxy-6-(3-methyl-2-butenyl)-2*H*-1-benzopyran-2-one, 9Cl. **Glycycoumarin**

CAS Registry Number: 94805-82-0

Molecular Formula: C₂₁H₂₀O₆

Molecular Weight: 368.385

Accurate Mass: 368.12599

Percentage Composition: C 68.47%; H 5.47%; O 26.06%

Biological Source: From licorice (*Glycyrrhiza glabra*)

Use/Importance: Shows anti-HIV activity

Physical Description: Yellow plates (C₆H₆/Me₂CO)

Melting Point: Mp 243.5-244.5° (231°)

Calculated Log P Data: Log P 4.35 (calc)

References:

Kinoshita, T. *et al.*, *Chem. Pharm. Bull.*, 1978, **26**, 135, (isol, uv, pmr, struct)

Hatano, T. *et al.*, *Chem. Pharm. Bull.*, 1988, **36**, 2090, (*Glycycoumarin*)

Demizu, S. *et al.*, *Chem. Pharm. Bull.*, 1988, **36**, 3474, (*Glycycoumarin*)