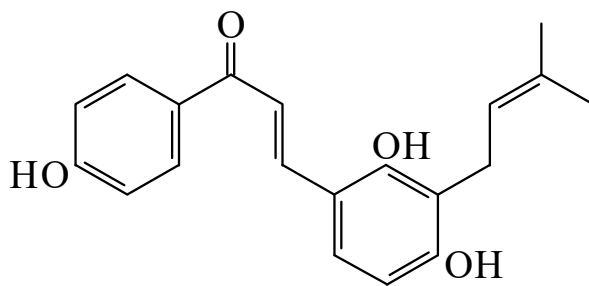




>>Entry Name: **2,4,4'-Trihydroxy-3-prenylchalcone**

Synonym(s): 3-[2,4-Dihydroxy-3-(3-methyl-2-butenyl)phenyl]-1-(4-hydroxyphenyl)-2-propen-1-one



Molecular Formula: C₂₀H₂₀O₄

Molecular Weight: 324.376

Accurate Mass: 324.13616

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

>>Variant: (*E*)-form

Molecular Formula: C₂₀H₂₀O₄

Molecular Weight: 324.376

Accurate Mass: 324.13616

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

>>Derivative: 2-Me ether

Synonym(s): 4,4'-Dihydroxy-2-methoxy-3-prenylchalcone. **Licochalcone C**

CAS Registry Number: 144506-14-9

Molecular Formula: C₂₁H₂₂O₄

Molecular Weight: 338.402

Accurate Mass: 338.15181

Percentage Composition: C 74.54%; H 6.55%; O 18.91%

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

Physical Description: Amorph.

>>Derivative: 2-Me ether, di-Ac

Physical Description: Needles

Melting Point: Mp 57°

References:

Kajayama, K. *et al.*, *Phytochemistry*, 1992, **31**, 3229

Feldback, N. *et al.*, *Bioorg. Med. Chem. Lett.*, 1995, **5**, 449, (*synth*)