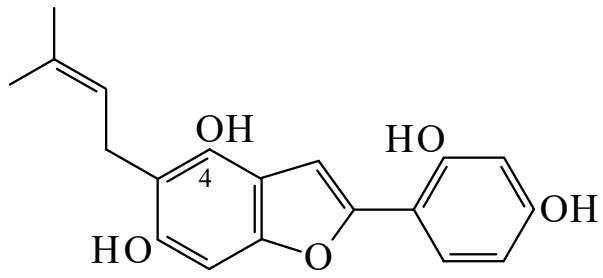
>>**Entry Name: 2-(3,4-Dihydroxyphenyl)-4,6-dihydroxy-5-prenylbenzofuran**



Molecular Formula: $C_{19}H_{18}O_5$
Molecular Weight: 326.348
Accurate Mass: 326.115425
Percentage Composition: C 69.93%; H 5.56%; O 24.51%

>>**Derivative:** 4-Me ether
Synonym(s): 2-(3,4-Dihydroxyphenyl)-6-hydroxy-4-methoxy-5-prenylbenzofuran. 4-[6-Hydroxy-4-methoxy-5-(3-methyl-2-butenyl)-2-benzofuranyl]-1,3-benzenediol, 9Cl . **Licocoumarone**

CAS Registry Number: 118524-14-4
Type of Compound Code(s): VK3820 VK4000
Molecular Formula: $C_{20}H_{20}O_5$
Molecular Weight: 340.375
Accurate Mass: 340.131075
Percentage Composition: C 70.58%; H 5.92%; O 23.50%
Biological Source: Isol. from roots of *Glycyrrhiza uralensis*
Physical Description: Needles (EtOH aq.)
Melting Point: Mp 183-185°

>>**Derivative:** 4,6-Di-Me ether
Synonym(s): 2-(3,4-Dihydroxyphenyl)-4,6-dimethoxy-5-prenylbenzofuran. 4-[4,6-Dimethoxy-5-(3-methyl-2-butenyl)-2-benzofuranyl]-1,3-benzenediol, 9Cl. **Gancaonin I**

CAS Registry Number: 126716-36-7
Type of Compound Code(s): VK4000 VK3820
Molecular Formula: $C_{21}H_{22}O_5$
Molecular Weight: 354.402
Accurate Mass: 354.146725
Percentage Composition: C 71.17%; H 6.26%; O 22.57%
Biological Source: Isol. from *Glycyrrhiza uralensis* and other *Glycyrrhiza* spp.
Physical Description: Prisms + $1H_2O$ ($CHCl_3$/petrol)
Melting Point: Mp 67-70°. Mp 125-127° (Double Mp)

References:

Demizu, S. *et al.*, *Chem. Pharm. Bull.*, 1988, **36**, 3474, *(Licocoumarone)*
Fukai, T. *et al.*, *Heterocycles*, 1989, **29**, 1761, *(Gancaonin I)*