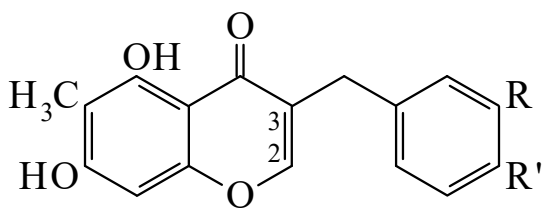
>>**Entry Name: Ophiopogonone A**
Synonym(s): 3-(1,3-Benzodioxol-5-ylmethyl)-5,7-dihydroxy-6-methyl-4*H*-1-benzopyran-4-one, ^{9Cl}. 5,7-Dihydroxy-6-methyl-3-(3,4-methylenedioxybenzyl)-4-chromenone



R,R' = —OCH_2O—

CAS Registry Number: 75239-62-2

Molecular Formula: $C_{18}H_{14}O_6$
Molecular Weight: 326.305
Accurate Mass: 326.07904
Percentage Composition: C 66.26%; H 4.32%; O 29.42%
Biological Source: Constit. of *Ophiopogon japonicus*
Physical Description: Pale yellow needles (EtOH)
Melting Point: Mp 235-236°

>>**Derivative:** 2,3-Dihydro
Synonym(s): Ophiopogonanone A

CAS Registry Number: 75239-63-3

Molecular Formula: $C_{18}H_{16}O_6$
Molecular Weight: 328.321
Accurate Mass: 328.09469
Percentage Composition: C 65.85%; H 4.91%; O 29.24%
Biological Source: Isol. from *Ophiopogon japonicus*
Physical Description: Needles (EtOH)
Melting Point: Mp 175-176°
Optical Rotation: $[\alpha]_D$ –13 (c, 1 in dioxan)

>>**Derivative:** 2'-Hydroxy
Synonym(s): 2',5,7-Trihydroxy-6-methyl-3-(3',4'-methylenedioxybenzyl)-4-chromenone. **2'-Hydroxyophiopogonone A**

CAS Registry Number: 149155-30-6

Molecular Formula: $C_{18}H_{14}O_7$
Molecular Weight: 342.304
Accurate Mass: 342.073955
Percentage Composition: C 63.16%; H 4.12%; O 32.72%
Biological Source: Constit. of *Ophiopogon japonicus*
Physical Description: Pale yellow needles (MeOH)
Melting Point: Mp 275-276 dec.°

References:
Tada, A. *et al.*, *Chem. Pharm. Bull.*, 1980, **28**, 2039, *(isol, pmr)*
Asano, T. *et al.*, *Chem. Pharm. Bull.*, 1993, **41**, 391, *(2'-Hydroxyophiopogonone A)*