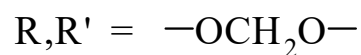
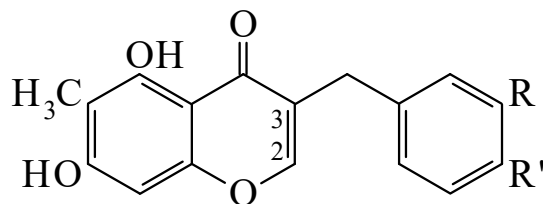




>>Entry Name: **Ophiopogonone A**

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



CAS Registry Number: 75239-62-2

Molecular Formula: C₁₈H₁₄O₆

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: C₁₈H₁₆O₆

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: [α]_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: C₁₈H₁₄O₇

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*)