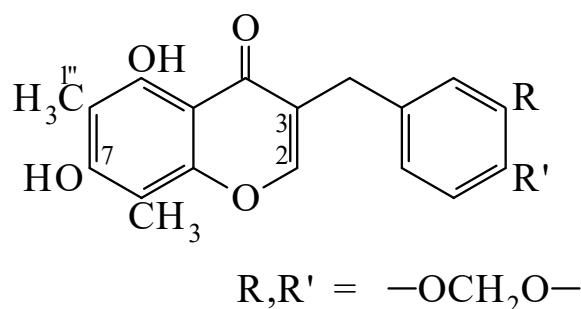




>>Entry Name: **Methylophiopogonone A**

Synonym(s): 3-(1,3-Benzodioxol-5-ylmethyl)-5,7-dihydroxy-6,8-dimethyl-4*H*-1-benzopyran-4-one, 9Cl. 5,7-Dihydroxy-6,8-dimethyl-3-(3,4-methylenedioxybenzyl)-4-chromenone



CAS Registry Number: 74805-90-6

Molecular Formula: C₁₉H₁₆O₆

Molecular Weight: 340.332

Accurate Mass: 340.09469

Percentage Composition: C 67.05%; H 4.74%; O 28.21%

Biological Source: Constit. of *Ophiopogon japonicus*

Physical Description: Pale yellow needles (EtOH)

Melting Point: Mp 210-211°

>>Derivative: 2,3-Dihydro

Synonym(s): **Methylophiopogonanone A**

CAS Registry Number: 74805-92-8

Molecular Formula: C₁₉H₁₈O₆

Molecular Weight: 342.348

Accurate Mass: 342.11034

Percentage Composition: C 66.66%; H 5.30%; O 28.04%

Biological Source: From *Ophiopogon japonicus*

Physical Description: Needles (CCl₄)

Melting Point: Mp 166-167°

Optical Rotation: [α]_D¹⁹ -72 (c, 1 in CHCl₃)

Other Data: Abs. config. not detd.

>>Derivative: 2,3-Dihydro, 1"-oxo

Synonym(s): **6-Formylisoophiopogonanone A**

CAS Registry Number: 88700-29-2

Molecular Formula: C₁₉H₁₆O₇

Molecular Weight: 356.331

Accurate Mass: 356.089605

Percentage Composition: C 64.04%; H 4.53%; O 31.43%

Biological Source: From *Ophiopogon japonicus* and *Ophiopogon ohwii*

Physical Description: Needles (MeOH/CHCl₃)

Melting Point: Mp 176°

Optical Rotation: [α]_D²¹ -11.2 (c, 0.41 in CHCl₃)

>>Derivative: 2,3-Dihydro, 1"-oxo, 7-Me ether

Synonym(s): **7-O-Methyl-6-formylisoophiopogonanone A**

CAS Registry Number: 88700-31-6

Molecular Formula: C₂₀H₁₈O₇

Molecular Weight: 370.358

Accurate Mass: 370.105255

Percentage Composition: C 64.86%; H 4.90%; O 30.24%

Biological Source: From *Ophiopogon japonicus*

Melting Point: Mp 113°

Optical Rotation: [α]_D -43.4

References: