



Molecular Formula: C₁₆H₂₂O₅
Molecular Weight: 294.347
Accurate Mass: 294.146725
Percentage Composition: C 65.29%; H 7.53%; O 27.18%
Biological Source: Prod. by *Lasiodiplodia theobromae*
Physical Description: Powder
Melting Point: Mp 200-201°
Optical Rotation: [α]_D²⁵ -5.4 (c, 0.4 in MeOH)

>>Variant: (S)-form

CAS Registry Number: 32885-81-7

Molecular Formula: C₁₇H₂₄O₄
Molecular Weight: 292.374
Accurate Mass: 292.16746
Percentage Composition: C 69.84%; H 8.27%; O 21.89%
Biological Source: Constit. of *Euphorbia splendens* and *Euphorbia fidjiana*
Physical Description: Needles (hexane)
Melting Point: Mp 180-183°

>>Derivative: O-De-Me

CAS Registry Number: 32885-82-8

Molecular Formula: C₁₆H₂₂O₄
Molecular Weight: 278.347
Accurate Mass: 278.15181
Percentage Composition: C 69.04%; H 7.97%; O 22.99%
Biological Source: Constit. of *Arnebia euchroma* and *Euphorbia fidjiana*
Physical Description: Needles (MeOH aq.)
Melting Point: Mp 128-129°

>>Variant: (±)-form

CAS Registry Number: 65716-53-2
Molecular Formula: C₁₇H₂₄O₄
Molecular Weight: 292.374
Accurate Mass: 292.16746
Percentage Composition: C 69.84%; H 8.27%; O 21.89%
Melting Point: Mp 125°. Mp 146-147° (double Mp)

References:

- Aldridge, D.C. *et al.*, *J.C.S.(C)*, 1971, 1623-1627, (*isol, uv, ir, ms, pmr, struct*)
Gerlach, H. *et al.*, *Helv. Chim. Acta*, 1977, **60**, 2866, (*synth, ir, uv, ms, nmr*)
Fink, M. *et al.*, *Helv. Chim. Acta*, 1982, **65**, 2563-2569, (*synth, abs config*)
Lee, K.-H. *et al.*, *Phytochemistry*, 1982, **21**, 1119-1121, (*cryst struct*)
Yao, X.S. *et al.*, *Chem. Pharm. Bull.*, 1991, **39**, 2956-2961, (*isol*)
Cambie, R.C. *et al.*, *Phytochemistry*, 1991, **30**, 287-292, (*isol, pmr, cmr, ms*)
Jones, G.B. *et al.*, *Synlett*, 1993, 367-368, (*synth*)
Bracher, F. *et al.*, *J.C.S. Perkin 1*, 1996, 2619-2622, (*synth, bibl*)
Fuerstner, A. *et al.*, *Tet. Lett.*, 1996, **37**, 7005-7008, (*synth*)
Matsuura, H *et al.*, *Phytochemistry*, 1998, **49**, 579-584, (*5-Hydroxylasiodiplodins, 5-Oxolasiodiplodin*)
Fuerstner, A. *et al.*, *Tetrahedron*, 1999, **55**, 8215-8230, (*synth*)
Fuerstner, A. *et al.*, *J.O.C.*, 2000, **65**, 7990-7901, (*synth*)
Yang, Q. *et al.*, *Phytochemistry*, 2000, **54**, 489-494, (*Hydroxyde-O-methylasiodiplodins*)