



Accurate Mass: 322.178025

Percentage Composition: C 67.06%; H 8.13%; O 24.81%

Biological Source: Isol. from *Fusarium* spp. Also obt. by redn. of Zearalenone

Use/Importance: Gonadotropin inhibitor

Physical Description: Cryst. (2-propanol aq.)

Development Status: Never marketed

Melting Point: Mp 146-148°

Optical Rotation: $[\alpha]_D^{25} +39$ (MeOH)

Sigma: Z0417

>>**Derivative:** 11,12*E*-Didehydro

Synonym(s): β -Zearalenol

CAS Registry Number: 71030-11-0

Molecular Formula: C₁₈H₂₄O₅

Molecular Weight: 320.385

Accurate Mass: 320.162375

Percentage Composition: C 67.48%; H 7.55%; O 24.97%

Biological Source: Metab. of *Fusarium* spp.

Sigma: Z2000

Supelco: R47-4670

References:

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Galbraith, H. *et al.*, *Vet. Res. Commun.*, 1983, **7**, 27; 35, (*pharmacol*)

Richardson, K.E. *et al.*, *J. Agric. Food Chem.*, 1985, **33**, 862, (*Zearalenol, isol*)

Snatzke, G. *et al.*, *Helv. Chim. Acta*, 1986, **69**, 734, (*abs config, synth*)

Gimeno, E.J., *Rev. Med. Vet. (Buenos Aires)*, 1986, 32, (*rev*)

Everett, D.J. *et al.*, *J. Toxicol. Environ. Health*, 1987, **20**, 435

Coe, J.E. *et al.*, *Proc. Natl. Acad. Sci. U.S.A.*, 1992, **89**, 1085, (*tox*)

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Miles, C.O. *et al.*, *J. Agric. Food Chem.*, 1996, **44**, 3244-3250, (*occur*)

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