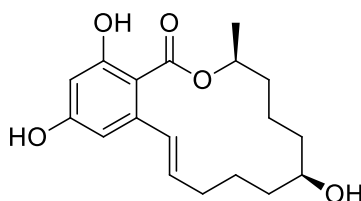


β-Zearalenol

Code No.: **BIA-Z1403**

Pack sizes: **1 mg, 5 mg**



Synonyms : (-)-beta-Zearalenol, beta-trans-Zearalenol

Specifications

CAS #	: 71030-11-0
Molecular Formula	: C ₁₈ H ₂₄ O ₅
Molecular Weight	: 320.3
Source	: <i>Fusarium</i> sp.
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.

Application Notes

β-Zearalenol is a mycotoxin produced by several species of *Fusarium*. β-Zearalenol exhibits pronounced estrogenic activity, like other zearalenones. Contamination of grains by *Fusarium* species, notably maize, gives rise to high levels of zearalenol and is regarded as an important food quality issue for both human and animal health.

References

1. Identification of the naturally occurring isomer of zearalenol produced by *Fusarium roseum* 'Gibbosum' in rice culture. Hagler W.M. et al., *Appl. Environ. Microbiol.* 1979, 37, 849.
2. Binding properties of zearalenone mycotoxins to hepatic estrogen receptors. Powell-Jones W. et al., *Mol. Pharmacol.* 1981, 20, 35.
3. Production of zearalenone, α- and β-zearalenol, and α- and β-zearalanol by *Fusarium* spp. in rice culture. Richardson K.E. *J. Agr. Food Chem.* 1985, 33, 862.