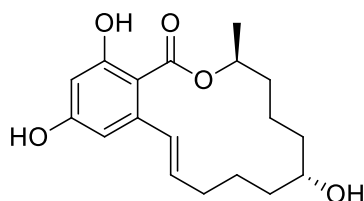


α -Zearalenol

Code No.: **BIA-Z1141**

Pack sizes: **5 mg, 25 mg**



Synonyms : α -Zearalenol

Specifications

CAS #	: 36455-72-8
Molecular Formula	: C₁₈H₂₄O₅
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

α -Zearalenol is a mycotoxin produced by several species of *Fusarium*. α -Zearalenol exhibits pronounced estrogenic activity, being 3-fold more active than zearalenone. Contamination of grains, notably maize, by *Fusarium* species 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. Estrogenic activity of zearalenone and zearalenol in the neonatal rat uterus. Sheehan, D.M. et al., Teratology 1984, 90, 383.