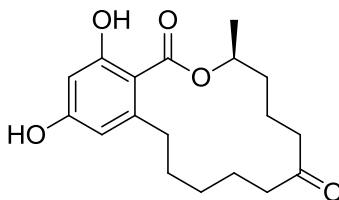


Zearalanone

Code No.: **BIA-Z1440**

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



Synonyms : (S)-Zearalanone, P 1502, Zanone

Specifications

CAS #	: 5975-78-0
Molecular Formula	: C ₁₈ H ₂₄ O ₅
Molecular Weight	: 322.4
Source	: Semi-synthetic
Appearance	: White solid
Purity	: >99% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.

Application Notes

Zearalanone is a minor component of the zearalenone complex produced by several species of *Fusarium*. Like the more abundant analogues, zearalanone causes estrogenic effects in domestic livestock. Zearalanone is a metabolite of α -zearalanol, a commercially available growth promotant in animals, and is a useful standard for detection of zearanol-contaminated products and *Fusarium*-contaminated grains.

References

1. Metabolism of zearalenone by *Fusarium roseum graminearum*. Steele J.A. et al. J. Agr. Food Chem. 1976, 24, 89.
2. Zearanol metabolism by subcellular fractions from lamb liver. Pompa G. et al. J. Vet. Pharmacol. Ther. 1988, 11, 197.

Updated: 2 December 2014