

Product Name: Zearalanone

Product Number: Z009

CAS Number: 5975-78-0

Molecular Formula: $C_{18}H_{24}O_5$

Molecular Weight: 322.4

Appearance: White solid

Storage Conditions: -20°C

Description: 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.

Zearalanone is soluble in ethanol, methanol, DMF or DMSO. Zearalanone has limited water solubility.

References: Metabolism of zearalenone by *Fusarium roseum graminearum*. Steele J.A. et al. *J. Agr. Food Chem.* 1976, 24, 89.

Zearanol metabolism by subcellular fractions from lamb liver. Pompa G. et al. *J. Vet. Pharmacol. Ther.* 1988, 11, 197.