

Product Name: Beta-zearalenol

Product Number: Z011

CAS Number: 71030-11-0

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

Molecular Weight: 320.3

Appearance: White solid

Storage Conditions: -20°C

Description: 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.

β -Zearalenol is soluble in ethanol, methanol, DMF and DMSO and has limited water solubility.

References: 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.

Binding properties of zearalenone mycotoxins to hepatic estrogen receptors. Powell-Jones W. et al. Mol. Pharmacol. 1981, 20, 35.

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.