

Product Name:	Alpha-zearalenol
Product Number:	Z010
CAS Number:	36455-72-8
Molecular Formula:	$C_{18}H_{24}O_5$
Molecular Weight:	320.3
Appearance:	White solid
Storage Conditions:	-20°C
Description:	<p>α-Zearalenol is a mycotoxin produced by several species of <i>Fusarium</i>. α-Zearalenol exhibits pronounced estrogenic activity, being 3-fold more active than zearalenone. Contamination of grains, notably maize, by <i>Fusarium</i> species gives rise to high levels of zearalenol and is regarded as an important food quality issue for both human and animal health.</p> <p>α-Zearalenol is soluble in water, methanol, DMF, DMSO, and has limited solubility in water.</p>
References:	<p>Identification of the naturally occurring isomer of zearalenol produced by <i>Fusarium roseum</i> 'Gibbosum' in rice culture. Hagler W.M. et al. Appl. Environ. Microbiol. 1979, 37, 849.</p> <p>Binding properties of zearalenone mycotoxins to hepatic estrogen receptors. Powell-Jones, W., et al. Mol. Pharmacol. 1981, 20, 35.</p> <p>Estrogenic activity of zearalenone and zearalanol in the neonatal rat uterus. Sheehan, D.M. et al. Teratology 1984, 90, 383.</p>