

Product Name:	Alpha-zearalanol
Product Number:	Z007
CAS Number:	26538-44-3
Molecular Formula:	$C_{18}H_{24}O_5$
Molecular Weight:	320.3
Appearance:	White solid
Storage Conditions:	-20°C
Description:	<p>α-Zearalanol is a minor analogue of the zearalenone family of resorcinyll macrocyclic lactones, produced by several species of Fusarium. Like the other zearalenones, α-zearalanol exhibits estrogenic activity in animals. The potency of α-zearalanol, generically known as zeranol, lead to its commercial development as a growth promotant in livestock.</p>
References:	<p>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.</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>