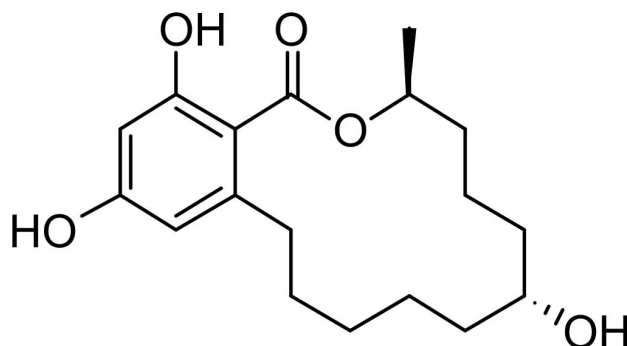


## Zearalanol, $\alpha$ -

Code No.: BIA-Z1405

Pack sizes.: 5mg, 25mg



### Synonyms:

Ralgro, Zearanol, Zeranol, alpha-Zearalanol, alpha-Zeranol

## Specifications

CAS #	: <b>26538-44-3</b>
Molecular Formula	: <b>C<sub>18</sub>H<sub>26</sub>O<sub>5</sub></b>
Molecular Weight	: <b>322.4</b>
Source	: -
Appearance	: <b>White solid</b>
Purity	: <b>&gt;99% by HPLC</b>
Long Term Storage	: <b>-20°C</b>
Solubility	: <b>Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.</b>

## Application Notes

$\alpha$ -Zearalanol is a minor analogue of the zearalenone family of resorcinyll macrocyclic lactones, produced by several species of *Fusarium*. Like the other zearalenones,  $\alpha$ -zearalanol exhibits estrogenic activity in animals. The potency of  $\alpha$ -zearalanol, generically known as zeranol, lead to its commercial development as a growth promotant in livestock.

## References

1. Production of zearalenone,  $\alpha$ -  $\beta$ -zearalenol, and  $\alpha$ - and  $\beta$ -zearalanol by *Fusarium* spp. in rice culture. Richardson K.E. J. Agr. Food Chem. 1985, 33, 862.
2. Growth and carcass characters of rams, cryptorchids, wethers and ewes implanted with zeranol. Wilson L.L. et al., J. Anim. Sci. 1972, 34, 336.