

$\alpha$ -Zearalenol-D5

## Chemical Properties

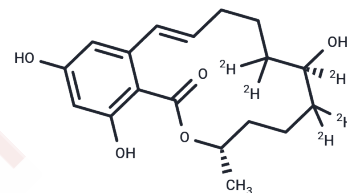
CAS No. :

Formula: C<sub>18</sub>H<sub>19</sub>D<sub>5</sub>O<sub>5</sub>

Molecular Weight: 325.411

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	$\alpha$ -Zearalenol-D5 is a deuterated compound of $\alpha$ -Zearalenol. $\alpha$ -Zearalenol (T13542) has a CAS number of 36455-72-8. $\alpha$ -Zearalenol (T13542) is one of the major metabolites of Zearalenone. $\alpha$ -Zearalenol (T13542) has structural analogy to estrogen, thus $\alpha$ -Zearalenol (T13542) can bind to estrogen receptors (ERs).
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.073 mL	15.3652 mL	30.7305 mL
5 mM	0.6146 mL	3.073 mL	6.1461 mL
10 mM	0.3073 mL	1.5365 mL	3.073 mL
50 mM	0.0615 mL	0.3073 mL	0.6146 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Tatay E, et al. Estrogenic activity of zearalenone,  $\alpha$ -zearalenol and  $\beta$ -zearalenol assessed using the E-screen assay in MCF-7 cells. Toxicol Mech Methods. 2018 May;28(4):239-242.

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