

3-Acetyldeoxynivalenol

Chemical Properties

CAS No. : 50722-38-8

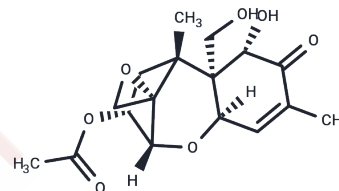
Formula: C₁₇H₂₂O₇

Molecular Weight: 338.35

Storage: Keep away from direct sunlight, Store at low temperature

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	3-Acetyldeoxynivalenol is a mycotoxin discovered in <i>F. graminearum</i> that can penetrate the blood-brain barrier and induce necrosis in mouse duodenal and spleen cells.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9555 mL	14.7776 mL	29.5552 mL
5 mM	0.5911 mL	2.9555 mL	5.911 mL
10 mM	0.2956 mL	1.4778 mL	2.9555 mL
50 mM	0.0591 mL	0.2956 mL	0.5911 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

- Kadota T, et al. Comparative study of deoxynivalenol, 3-acetyldeoxynivalenol, and 15-acetyldeoxynivalenol on intestinal transport and IL-8 secretion in the human cell line Caco-2. *Toxicol In Vitro*. 2013 Sep;27(6):1888-95.
- Behrens M, et al. Blood-Brain Barrier Effects of the Fusarium Mycotoxins Deoxynivalenol, 3Acetyldeoxynivalenol, and Moniliformin and Their Transfer to the Brain. *PLoS One*. 2015 Nov 23;10(11):e0143640.

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