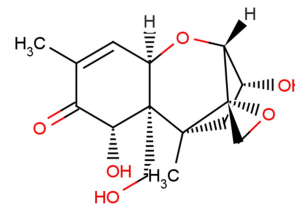


Deoxynivalenol

Chemical Properties

CAS No.:	51481-10-8
Formula:	C ₁₅ H ₂₀ O ₆
Molecular Weight:	296.32
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Deoxynivalenol is a mycotoxin of the trichothecenes family. It crosses the intestinal mucosa by a paracellular pathway through the tight junctions. Deoxynivalenol transport is not affected by P-glycoprotein (PgP) or multidrug resistance-associated proteins (MRPs) inhibitors.
Targets(IC ₅₀)	Others: None

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.375 mL	16.874 mL	33.747 mL
5 mM	0.675 mL	3.375 mL	6.749 mL
10 mM	0.337 mL	1.687 mL	3.375 mL
50 mM	0.067 mL	0.337 mL	0.675 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Sergent T, et al. Deoxynivalenol transport across human intestinal Caco-2 cells and its effects on cellular metabolism at realistic intestinal concentrations. Toxicol Lett. 2006 Jul 1;164(2):167-76.

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