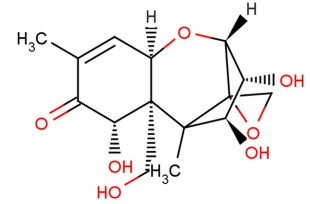


Data Sheet (Cat.No.T13797)

Nivalenol

Chemical Properties

CAS No.:	23282-20-4
Formula:	C ₁₅ H ₂₀ O ₇
Molecular Weight:	312.32
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Nivalenol is classified as type B trichothecenes toxins produced by <i>Fusarium graminearum</i> .
Targets(IC ₅₀)	Caspase: 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	3.202 mL	16.009 mL	32.018 mL
5 mM	0.64 mL	3.202 mL	6.404 mL
10 mM	0.32 mL	1.601 mL	3.202 mL
50 mM	0.064 mL	0.32 mL	0.64 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

- Bryła M, et al. Natural Occurrence of Nivalenol, Deoxynivalenol, and Deoxynivalenol-3-Glucoside in Polish Winter Wheat. *Toxins* (Basel). 2018 Feb 13;10(2).
- Aupanun S, et al. Individual and combined mycotoxins deoxynivalenol, nivalenol, and fusarenon-X induced apoptosis in lymphoid tissues of mice after oral exposure. *Toxicon*. 2019 Jul;165:83-94.

Inhibitors · Natural Compounds · Compound Libraries

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