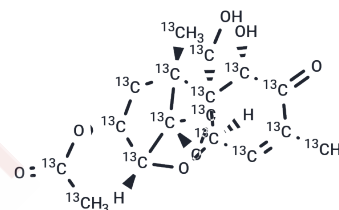


3-Acetyldeoxy Nivalenol-13C17

Chemical Properties

CAS No. :	1217476-81-7
Formula:	C17H22O7
Molecular Weight:	355.226
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	3-Acetyldeoxy Nivalenol-13C17 is intended for use as an internal standard for the quantification of 3-Acetyldeoxy Nivalenol (T13493) by GC- or LC-MS. 3-Acetyldeoxy Nivalenol is a mycotoxin that has been found in <i>F. graminearum</i> .
In vivo	In vivo, 3-acetyldeoxy nivalenol (40 mg/kg) induces duodenal and splenic cell necrosis, as well as lethality (LD50= 70 mg/kg) in mice. ²

Solubility Information

Solubility	Acetonitrile: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8151 mL	14.0754 mL	28.1508 mL
5 mM	0.563 mL	2.8151 mL	5.6302 mL
10 mM	0.2815 mL	1.4075 mL	2.8151 mL
50 mM	0.0563 mL	0.2815 mL	0.563 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

- Jiao, F., Kawakami, A., and Nakajima, T. Effects of different carbon sources on trichothecene production and Tri gene expression by *Fusarium graminearum* in liquid culture *FEMS Microbiol. Lett.* 285(2)212-219(2008)
- Schiefer, H.B., Nicholson, S., Kasali, O.B., et al. Pathology of acute 3-acetyldeoxynivalenol toxicity in mice *Can. J. Comp. Med.* 49(3)315-318(1985)

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