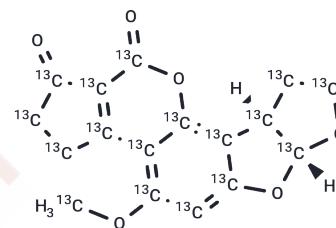


Aflatoxin B2-13C17

Chemical Properties

CAS No. :	1217470-98-8
Formula:	C ₁₇ H ₁₄ O ₆
Molecular Weight:	331.163
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	Aflatoxin B2-13C17 is intended for use as an internal standard for the quantification of AFB2 by GC- or LC-MS. AFB2 is a mycotoxin that has been found in <i>A. terreicola</i> . ¹ It induces hepatic autophagy and apoptosis in broiler chickens when administered at doses of 0.2, 0.4, and 0.8 mg/kg. ² AFB2 (0.5 and 1 mg/animal) also induces parenchymal cell hyperplasia in rats. ³
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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	3.0197 mL	15.0984 mL	30.1969 mL
5 mM	0.6039 mL	3.0197 mL	6.0394 mL
10 mM	0.302 mL	1.5098 mL	3.0197 mL
50 mM	0.0604 mL	0.302 mL	0.6039 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

- Moubasher, A.H., el-Kady, I.A., and Shoriet, A. Toxigenic *Aspergilli* isolated from different sources in Egypt *Ann. Nutr. Aliment.* 31(4-6)607-615(1977)
- Chen, B., Li, D., Li, M., et al. Induction of mitochondria-mediated apoptosis and PI3K/Akt/mTOR-mediated autophagy by aflatoxin B2 in hepatocytes of broilers *Oncotarget* 7(51)84989-84998(2016)
- Wogan, G.N., Edwards, G.S., and Newberne, P.M. Structure-activity relationships in toxicity and carcinogenicity of aflatoxins and analogs *Cancer Res.* 31(12)1936-1942(1971)

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