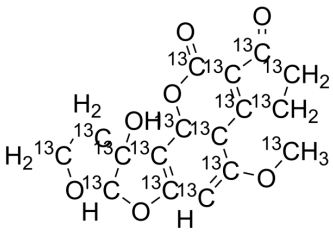
Aflatoxin M2-$^{13}C_{17}$

Cat. No.:	HY-N6700S
Molecular Formula:	$^{13}C_{17}H_{14}O_7$
Molecular Weight:	347.16
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Aflatoxin M2-$^{13}C_{17}$ is the ^{13}C labeled Aflatoxin M2 (HY-N6700)[1]. Aflatoxin M2 is a major metabolite of Aflatoxin B1. Aflatoxin M2 is a mycotoxin produced by the fungi Aspergillus flavus and Aspergillus parasiticus. The level of toxicity associated with Aflatoxin is Aflatoxin B1>Aflatoxin M1>Aflatoxin G1>Aflatoxin B2>Aflatoxin M2>Aflatoxin G2[2].
In Vitro	Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Kumar P, et al. Aflatoxins: A Global Concern for Food Safety, Human Health and Their Management. Front Microbiol. 2017 Jan 17;7:2170.

[2]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019 Feb;53(2):211-220.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA