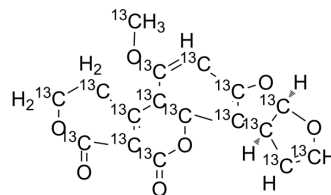


Aflatoxin G1-¹³C₁₇

Cat. No.:	HY-N6697S
CAS No.:	1217444-07-9
Molecular Formula:	¹³ C ₁₇ H ₁₂ O ₇
Molecular Weight:	345.15
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Aflatoxin G1- ¹³ C ₁₇ is the ¹³ C labeled Aflatoxin G1 (HY-N6697) ^[1] . Aflatoxin G1 is one type of aflatoxins occurring in nature. It is produced by molds, such as <i>Aspergillus flavus</i> and <i>Aspergillus parasiticus</i> . Aflatoxins are hepatogenic, teratogenic, immunosuppressive, and carcinogenic fungal metabolites found in feeds, nuts, wine-grapes, spices, and other grain crops ^{[2][3]} .
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]. Sarma UP, et al. Aflatoxins: Implications on Health. *Indian J Clin Biochem.* 2017 Jun;32(2):124-133.
- [2]. Karaaslan M, et al. Aflatoxins B1, B2, G1, and G2 contamination in ground red peppers commercialized in Sanliurfa, Turkey. *Environ Monit Assess.* 2015 Apr;187(4):184.
- [3]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother.* 2019 Feb;53(2):211-220.

Caution: Product has not been fully validated for medical applications. For research use only.

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