



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

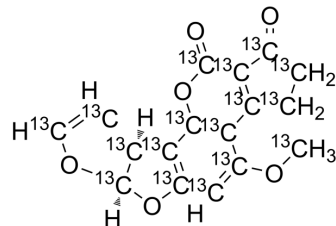
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Aflatoxin B1-¹³C₁₇

Cat. No.:	HY-N6615S
CAS No.:	1217449-45-0
Molecular Formula:	¹³ C ₁₇ H ₁₂ O ₆
Molecular Weight:	329.15
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	Solution, -20°C, protect from light, 2 years



BIOLOGICAL ACTIVITY

Description	Aflatoxin B1- ¹³ C ₁₇ is ¹³ C- and ¹⁵ N-labeled Aflatoxin B1 (HY-N6615). Aflatoxin B1 (AFB1) is a Group 1A carcinogen and a secondary metabolite produced by <i>Aspergillus flavus</i> and <i>Aspergillus parasiticus</i> . Aflatoxin B1 (AFB1) primarily induces mutations by causing a G to T transversion at the third nucleotide of codon 249 in the tumor suppressor gene p53. In the body, Aflatoxin B1 (AFB1) can cause damage to the intestines and kidneys and has some teratogenic effects ^[1] .
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]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother*. 2019 Feb;53(2):211-216.

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

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