



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

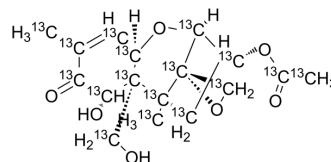
mail@szabo-scandic.com

www.szabo-scandic.com

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

3-Acetyldeoxynivalenol-¹³C₁₇

Cat. No.:	HY-N6685S1
CAS No.:	1217476-81-7
Molecular Formula:	¹³ C ₁₇ H ₂₂ O ₇
Molecular Weight:	355.23
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	-20°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



BIOLOGICAL ACTIVITY

Description	3-Acetyldeoxynivalenol- ¹³ C ₁₇ is the ¹³ C labeled 3-Acetyldeoxynivalenol (HY-N6685) ^[1] . 3-Acetyldeoxynivalenol, a trichothecene mycotoxin deoxynivalenol (DON) acetylated derivative ^[2] , is a blood-brain barrier (BBB) permeable mycotoxin ^[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]. Kadota T, et al. Comparative study of deoxynivalenol, 3-acetyldeoxynivalenol, and 15-acetyldeoxynivalenol on intestinal transport and IL-8 secretion in the human cell line Caco-2. *Toxicol In Vitro*. 2013 Sep;27(6):1888-95.
- [2]. Behrens M, et al. Blood-Brain Barrier Effects of the Fusarium Mycotoxins Deoxynivalenol, 3-Acetyldeoxynivalenol, and Moniliformin and Their Transfer to the Brain. *PLoS One*. 2015 Nov 23;10(11):e0143640.
- [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.

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