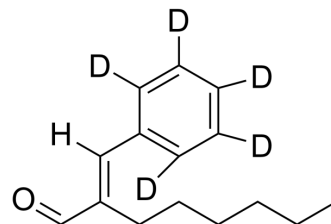


α -Hexylcinnamaldehyde-d₅

Cat. No.:	HY-W014118S
Molecular Formula:	C ₁₅ H ₁₅ D ₅ O
Molecular Weight:	221.35
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	α -Hexylcinnamaldehyde-d ₅ is deuterated labeled Diacetoxyscirpenol (HY-N6692). Diacetoxyscirpenol (DAS) is a trichothecene mycotoxin, a secondary metabolite product of fungi. Diacetoxyscirpenol (DAS) consumption induces haematological disorders (neutropenia, aplastic anemia) in human and animals ^[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]. Maria Grazia Sarpietro, et al. Interaction of α -Hexylcinnamaldehyde with a Biomembrane Model: A Possible MDR Reversal Mechanism. J Nat Prod. 2015 May 22;78(5):1154-9.

[2]. 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