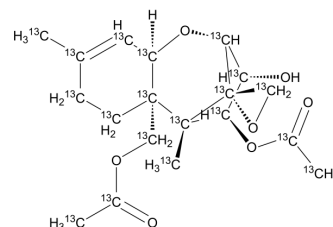


Diacetoxyscirpenol-¹³C₁₉

Cat. No.:	HY-N6692S
Molecular Formula:	¹³ C ₁₉ H ₂₆ O ₇
Molecular Weight:	385.27
Target:	Endogenous Metabolite; Isotope-Labeled Compounds
Pathway:	Metabolic Enzyme/Protease; Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Diacetoxyscirpenol- ¹³ C ₁₉ is ¹³ C labeled 2-Acetylfuran (HY-W015912). 2-Acetylfuran (2-Furyl methyl ketone), an important flavour compound or intermediate in foods, is isolated from essential oils, sweet corn products, fruits and flowers. 2-Acetylfuran also can be formed from glucose and glycine by Maillard reaction. 2-Acetylfuran can be used to synthesis Cefuroxime ^{[1][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]. Lautraite S, et al. In vitro effects of diacetoxyscirpenol (DAS) on human and rat granulo-monocytic progenitors. *Mycopathologia*. 1997;140(1):59-64.
- [2]. Hoerr FJ, et al. Mycotoxicosis caused by a single dose of T-2 toxin or diacetoxyscirpenol in broiler chickens. *Vet Pathol*. 1981 Sep;18(5):652-64.
- [3]. 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.

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