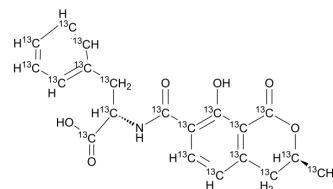


Ochratoxin B-¹³C₂₀

Cat. No.:	HY-N6786S
Molecular Formula:	¹³ C ₂₀ H ₁₉ NO ₆
Molecular Weight:	389.22
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Ochratoxin B- ¹³ C ₂₀ is ¹³ C-labeled Ochratoxin B (HY-N6786). Ochratoxin B, a secondary metabolite of <i>Aspergillus ochraceus</i> , is the nonchlorinated analogue of the mycotoxin Ochratoxin A. Ochratoxin B has been shown to reduce the toxic effects of Ochratoxin A, and it is one of the most potent renal carcinogens in rodents ^{[1][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]. Mally A, et al. Biotransformation and nephrotoxicity of ochratoxin B in rats. *Toxicol Appl Pharmacol*. 2005 Aug 1;206(1):43-53.
- [2]. Størmer FC, et al. Metabolism of ochratoxin B and its possible effects upon the metabolism and toxicity of ochratoxin A in rats. *Appl Environ Microbiol*. 1985 May;49(5):1108-12.
- [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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