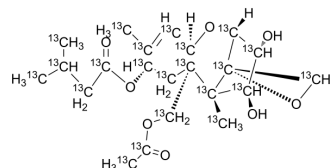


HT-2 Toxin-¹³C₂₂

Cat. No.:	HY-N6729S2
CAS No.:	1486469-92-4
Molecular Formula:	¹³ C ₂₂ H ₃₂ O ₈
Molecular Weight:	446.32
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	HT-2 Toxin- ¹³ C ₂₂ is ¹³ C-labeled HT-2 Toxin (HY-N6729). HT-2 Toxin is an active, deacetylated metabolite of the T-2 toxin. HT-2 toxin inhibits protein synthesis and cell proliferation in plants ^{[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]. Berthiller, F., et al. Masked mycotoxins: A review Mol.Nutr.Food Res. 57, 165-186 (2013).
- [2]. Nathanail, A.V., et al. Metabolism of the fusarium mycotoxins T-2 toxin and HT-2 toxin in wheat J.Agric.Food Chem 63(35), 7862-7872 (2015).
- [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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