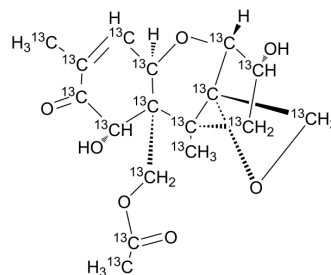


## 15-Acetyl-deoxynivalenol-<sup>13</sup>C<sub>17</sub>

<b>Cat. No.:</b>	HY-N6683S1
<b>CAS No.:</b>	911392-39-7
<b>Molecular Formula:</b>	<sup>13</sup> C <sub>17</sub> H <sub>22</sub> O <sub>7</sub>
<b>Molecular Weight:</b>	355.23
<b>Target:</b>	Isotope-Labeled Compounds
<b>Pathway:</b>	Others
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	15-Acetyl-deoxynivalenol- <sup>13</sup> C <sub>17</sub> is the <sup>13</sup> C labeled 15-Acetyl-deoxynivalenol (HY-N6683) <sup>[1]</sup> . 15-Acetyl-deoxynivalenol is a highly toxic trichothecene found in cereals, and a metabolite of deoxynivalenol, exhibits toxicity to HepG2 cells <sup>[2]</sup> .
<b>In Vitro</b>	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 <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Juan-García A, et al. Binary and tertiary combination of alternariol, 3-acetyl-deoxynivalenol and 15-acetyl-deoxynivalenol on HepG2 cells: Toxic effects and evaluation of degradation products. *Toxicol In Vitro*. 2016 Aug;34:264-273.

[2]. 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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