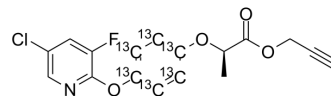


## Clodinafop-propargyl-13C6

<b>Cat. No.:</b>	HY-136380S
<b>Molecular Formula:</b>	C <sub>11</sub> <sup>13</sup> C <sub>6</sub> H <sub>9</sub> ClFNO <sub>4</sub>
<b>Molecular Weight:</b>	351.66
<b>Target:</b>	Others
<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>	Clodinafop-propargyl-13C6 is the 13C-labeled Clodinafop-propargyl. Clodinafop-propargyl, a main member of aryloxyphenoxy-propionate herbicides, is used for postemergence control of annual grasses in cereals, including Avena, Lolium, Setaria, Phalaris and Alopecurus spp <sup>[1]</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]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother.* 2019;53(2):211-216.
- [2]. Wenbi Guan, et al. Dissipation of clodinafop-propargyl and its metabolite in wheat field ecosystem. *Bull Environ Contam Toxicol.* 2013 Jun;90(6):750-5.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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