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Produktinformation



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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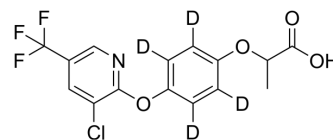
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Haloxypop-d₄

Cat. No.:	HY-B1856S
CAS No.:	127893-34-9
Molecular Formula:	C ₁₅ H ₇ D ₄ ClF ₃ NO ₄
Molecular Weight:	365.72
Target:	Isotope-Labeled Compounds; Acetyl-CoA Carboxylase
Pathway:	Others; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Haloxypop-d₄ is deuterium labeled Haloxypop. Haloxypop is an aryloxyphenoxypropionic acid herbicide and is widely used in grass weeds in broad-leaf crops^[2]. Haloxypop inhibits the acetyl coenzyme A carboxylase (EC 6.4.1.2) from corn seedling chloroplasts with an IC₅₀ of 0.5 μM, but has no effect on this enzyme in pea^[2].

REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother*. 2019 Feb;53(2):211-216.
- [2]. Urairat Koesukkiwat, et al. Method Development and Validation for Total Haloxypop Analysis in Infant Formulas and Related Ingredient Matrices Using Liquid Chromatography-Tandem Mass Spectrometry. *Anal Bioanal Chem*
- [3]. J D Burton, et al. Inhibition of Plant Acetyl-Coenzyme A Carboxylase by the Herbicides Sethoxydim and Haloxypop. *Biochem Biophys Res Commun*

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

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