



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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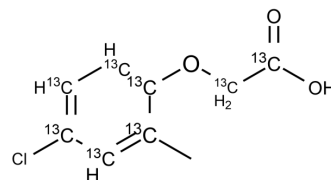
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MCPA-¹³C₈

Cat. No.:	HY-B0859S
Molecular Formula:	C ¹³ C ₈ H ₉ ClO ₃
Molecular Weight:	208.56
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	MCPA- ¹³ C ₈ is the ¹³ C-labeled MCPA. MCPA is a phenoxy herbicide, and widely used to control annual and perennial broad leaved weeds, including poppy, thistles and docks, in crops such as cereals, rice, linseed, flax, grassland and turf[1][2].
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]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother.* 2019;53(2):211-216.
- [2]. Munira S, et, al. Sorption and desorption of glyphosate, MCPA and tetracycline and their mixtures in soil as influenced by phosphate. *J Environ Sci Health B.* 2017 Dec 2;52(12):887-895.
- [3]. Kwiecien I, et, al. Biodegradable PBAT/PLA Blend with Bioactive MCPA-PHBV Conjugate Suppresses Weed Growth. *Biomacromolecules.* 2018 Feb 12;19(2):511-520.

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

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