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Produktinformation



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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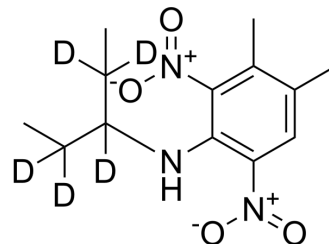
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Pendimethalin-d5

Cat. No.:	HY-B0862S
CAS No.:	1219803-39-0
Molecular Formula:	C ₁₃ H ₁₄ D ₅ N ₃ O ₄
Molecular Weight:	286.34
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Pendimethalin-d ₅ is the deuterium labeled Pendimethalin[1]. Pendimethalin is an herbicide that controls annual grasses and certain broadleaf weeds. Pendimethalin inhibits cell division and cell elongation[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 Feb;53(2):211-216.
- [2]. Martin Kočárek, et al. Effect of adjuvant on pendimethalin and dimethenamid-P behaviour in soil. *J Hazard Mater*. 2018 Jul 15;354:266-274.

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

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