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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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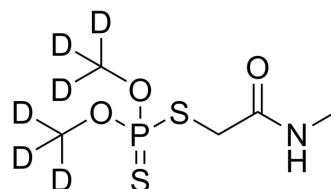
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Dimethoate-d6

Cat. No.:	HY-B1946S
CAS No.:	1219794-81-6
Molecular Formula:	C ₅ H ₆ D ₆ NO ₃ PS ₂
Molecular Weight:	235.29
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Dimethoate-d6 is the deuterium labeled Dimethoate. Dimethoate is an effective systemic insecticide for use on plants, has shown promise as a chemotherapeutic agent for control of cattle grubs and certain other insect pests of farm animals, and has high contact toxicity to house-flies and many other insects ^[1] .
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]. CASIDA JE, et al. Toxic hazard from formulating the insecticide dimethoate in methyl 'Cellosolve'. *Nature*. 1961;189:507-508.

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

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