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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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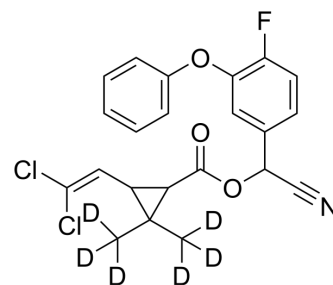
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Cyfluthrin-d₆

Cat. No.:	HY-B1837S
CAS No.:	2483831-11-2
Molecular Formula:	C ₂₂ H ₁₂ D ₆ Cl ₂ FNO ₃
Molecular Weight:	440.32
Target:	Isotope-Labeled Compounds; Sodium Channel
Pathway:	Others; Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Cyfluthrin-d₆ (β-Cyfluthi-d₆) is deuterium labeled Cyfluthrin. Cyfluthrin is a type II pyrethroid and has effects on various insects. Cyfluthrin is a modulator of Nav_{1.8} sodium channels by repetitive stimulation. Cyfluthrin can be applied in agriculture, veterinary, insecticide, pyrethroid and stored product^{[1][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]. Jin-Sung Choi, et al. Structure-activity Relationships for the Action of 11 Pyrethroid Insecticides on Rat Na v 1.8 Sodium Channels Expressed in Xenopus Oocytes. *Toxicol Appl Pharmacol*. 2006 Mar 15;211(3):233-44
- [3]. María-Aránzazu Martínez, et al. Oxidative Stress and Related Gene Expression Effects of Cyfluthrin in Human Neuroblastoma SH-SY5Y Cells: Protective Effect of Melatonin. *Environ Res*. 2019 Oct;177:108579.

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

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