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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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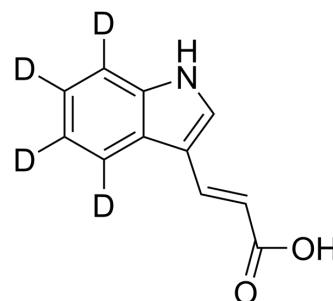
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3-Indoleacrylic acid-d₄

Cat. No.:	HY-W015273S
Molecular Formula:	C ₁₁ H ₅ D ₄ NO ₂
Molecular Weight:	191.22
Target:	Isotope-Labeled Compounds; Reactive Oxygen Species
Pathway:	Others; Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

3-Indoleacrylic acid-d₄ is deuterium labeled 3-Indoleacrylic acid. 3-Indoleacrylic acid is a high-efficient antialgal agent. 3-Indoleacrylic acid increases reactive oxygen species (ROS) production, and inhibits the functions of all the nutrient assimilating genes, down-regulated ribulose-1,5-bisphosphate carboxylase/oxygenase II, and cytochrome f genes in *P. donghaiense*^{[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]. Kokoette Effiong, et al. 3-Indoleacrylic acid from canola straw as a promising antialgal agent - Inhibition effect and mechanism on bloom-forming *Prorocentrum donghaiense*. *Mar Pollut Bull*. 2022 May;178:113657.

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

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