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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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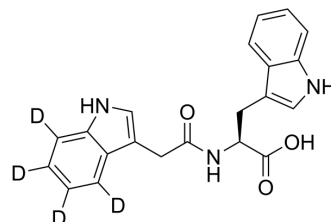
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(S)-N-(1H-Indole-3-acetyl)tryptophan-d₄

Cat. No.:	HY-138815S
Molecular Formula:	C ₂₁ H ₁₅ D ₄ N ₃ O ₃
Molecular Weight:	365.42
Target:	Isotope-Labeled Compounds; Glycosidase
Pathway:	Others; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

(S)-N-(1H-Indole-3-acetyl)tryptophan-d₄ is deuterium labeled (S)-N-(1H-Indole-3-acetyl)tryptophan. (S)-N-(1H-Indole-3-acetyl)tryptophan (compound 4a) is a Tryptophan derivative that weakly inhibits β-D-glucosidase^{[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]. Abu Khalaf, Reema, et al. Tryptophan and thiosemicarbazide derivatives: design, synthesis, and biological evaluation as potential β-d-galactosidase and β-d-glucosidase inhibitors. Medicinal Chemistry Research, 24(6), 2529-2550.

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

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