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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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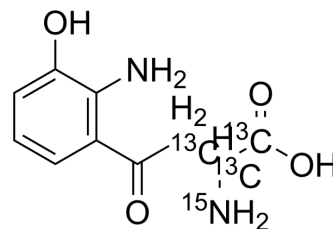
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3-Hydroxykynurenine-¹³C₃,¹⁵N

Cat. No.:	HY-113294S
CAS No.:	2267306-16-9
Molecular Formula:	C ₇ ¹³ C ₃ H ₁₂ N ¹⁵ NO ₄
Molecular Weight:	228.18
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	-20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



BIOLOGICAL ACTIVITY

Description	3-Hydroxykynurenine- ¹³ C ₃ , ¹⁵ N (3-Hydroxy-DL-kynurenine- ¹³ C ₃ , ¹⁵ N) is the ¹³ C and ¹⁵ N labeled 3-Hydroxykynurenine (HY-113294) ^[1] . 3-Hydroxykynurenine, a metabolite of tryptophan, is a potential endogenous neurotoxin whose increased levels have been described in several neurodegenerative disorders. 3-Hydroxykynurenine induces neuronal apoptosis ^[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.

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

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