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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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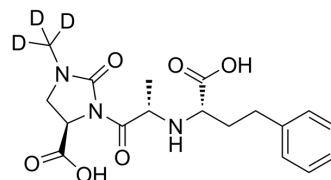
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Imidaprilat-d₃

Cat. No.:	HY-W739949
CAS No.:	1356019-69-6
Molecular Formula:	C ₁₈ H ₂₀ D ₃ N ₃ O ₆
Molecular Weight:	380.41
Target:	Isotope-Labeled Compounds; Angiotensin-converting Enzyme (ACE)
Pathway:	Others; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Imidaprilat-d₃ (6366A-d₃) is deuterium labeled Imidaprilate. Imidaprilate is an active metabolite of TA-6366, acts as a potent angiotensin converting enzyme (ACE) inhibitor, with an IC₅₀ of 2.6 nM, and is used in the research of hypertensive disease^[1].

REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother*. 2019 Feb;53(2):211-216.
- [2]. Kubo M, et al. Pharmacological studies on (4S)-1-methyl-3-[(2S)-2-[N-((1S)-1-ethoxycarbonyl-3-phenylpropyl)amino] propionyl]-2-oxo-imidazolidine-4-carboxylic acid hydrochloride (TA-6366), a new ACE inhibitor: I. ACE inhibitory and anti-hypertensive activities. *Jpn J Pharmacol*. 1990 Jun;53(2):201-10.

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

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