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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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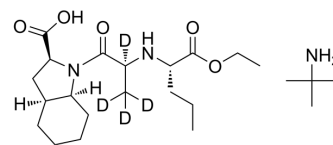
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Perindopril-d₄ erbumine

Cat. No.:	HY-B0130S
CAS No.:	1356929-59-3
Molecular Formula:	C ₂₃ H ₃₉ D ₄ N ₃ O ₅
Molecular Weight:	445.63
Target:	Angiotensin-converting Enzyme (ACE); Isotope-Labeled Compounds
Pathway:	Metabolic Enzyme/Protease; Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Perindopril-d ₄ t-butylamine salt is the deuterium labeled Perindopril t-butylamine salt. Perindopril t-butylamine salt is a long-acting ACE inhibitor of which is used to treat high blood pressure, heart failure or stable coronary artery disease ^{[1][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;53(2):211-216.
- [2]. Vaclavik J, Perindopril in the treatment of hypertension and cardiovascular diseases: evolution continues with the orodispersible dosage form. *Vnitr Lek*. 2013 Apr;59(4):290-4.
- [3]. Napalkov DA. Therapy with perindopril: organoprotection, not just the antihypertensive effect. *Kardiologiia*. 2012;52(12):80-3.

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

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