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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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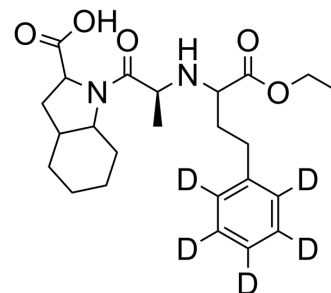
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rac-Trandolapril-d₅

Cat. No.:	HY-B0592S2
Molecular Formula:	C ₂₄ H ₂₉ D ₅ N ₂ O ₅
Molecular Weight:	435.57
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

rac-Trandolapril-d₅ (rac-RU44570-d₅) is deuterium labeled Trandolapril. Trandolapril (RU44570) is a nonsulphydryl proagent that is hydrolysed to the active diacid Trandolaprilat. Trandolapril is an orally administered angiotensin converting enzyme (ACE) inhibitor that has been used in the treatment of hypertension and congestive heart failure (CHF), and after myocardial infarction (MI)^{[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]. Tan X, et al. Combination therapy with paricalcitol and trandolapril reduces renal fibrosis in obstructive nephropathy. *Kidney Int*. 2009 Dec;76(12):1248-57.
- [3]. Peters DC, et al. Trandolapril. An update of its pharmacology and therapeutic use in cardiovascular disorders. *Drugs*. 1998 Nov;56(5):871-93.
- [4]. Koffi I, et al. Prevention of arterial structural alterations with verapamil and trandolapril and consequences for mechanical properties in spontaneously hypertensive rats. *Eur J Pharmacol*. 1998 Nov 13;361(1):51-60.
- [5]. Chobanian AV, et al. Trandolapril inhibits atherosclerosis in the Watanabe heritable hyperlipidemic rabbit. *Hypertension*. 1992 Oct;20(4):473-7.

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

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