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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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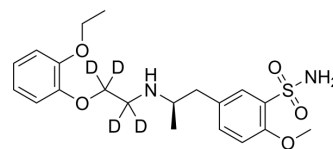
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Tamsulosin-d₄

Cat. No.:	HY-B0661S
CAS No.:	1231943-97-7
Molecular Formula:	C ₂₀ H ₂₄ D ₄ N ₂ O ₅ S
Molecular Weight:	412.54
Target:	Isotope-Labeled Compounds; Endogenous Metabolite; Adrenergic Receptor
Pathway:	Others; Metabolic Enzyme/Protease; GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Tamsulosin-d₄ ((R)-(-)-YM12617 (free base)-d₄) is deuterium labeled Tamsulosin. Tamsulosin ((R)-(-)-YM12617 free base) is an inhibitor of α₁-adrenergic receptor. Tamsulosin is used for the research of prostatic hyperplasia. Tamsulosin attenuates abdominal aortic aneurysm growth in animal models^{[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]. Christopher Chapple, et al. Tamsulosin: an overview. World J Urol. 2002 Apr;19(6):397-404.
- [3]. William G. Montgomery, BA, et al. Tamsulosin Attenuates Abdominal Aortic Aneurysm Growth. Surgery. 2018 Nov; 164(5): 1087–1092.

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

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