



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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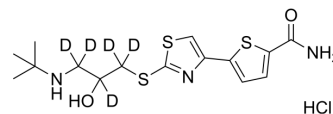
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Arotinolol-d₅ hydrochloride

Cat. No.:	HY-W653969
CAS No.:	2514848-16-7
Molecular Formula:	C ₁₅ H ₁₇ D ₅ ClN ₃ O ₂ S ₃
Molecular Weight:	413.03
Target:	Isotope-Labeled Compounds; Adrenergic Receptor; 5-HT Receptor
Pathway:	Others; GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Arotinolol-d₅ (hydrochloride) is deuterium labeled Arotinolol. Arotinolol is a nonselective α/β -adrenergic receptor blocker and a vasodilating β -blocker^{[1][2][3]}. Arotinolol also shows potency for inhibiting the binding of the radioligand ¹²⁵I-ICYP to 5HT_{1B}-serotonergic receptor sites. Arotinolol is an antihypertensive agent for the treatment of a variety of cardiovascular pathologies as well as non-cardiovascular diseases^{[1][2][3]}.

REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019 Feb;53(2):211-216.
- [2]. Zhou W, et al. Mechanisms of improved aortic stiffness by arotinolol in spontaneously hypertensive rats. PLoS One. 2014 Feb 12;9(2):e88722.
- [3]. Hiroshi TSUCHIHASHI, et al. Characteristics of 125I-Iodocyanopindolol Binding to 8-Adrenergic and Serotonin-1B Receptors of Rat Brain: Selectivity of 19-Adrenergic Agents

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

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