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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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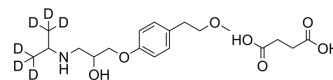
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Metoprolol-d₆ succinate

Cat. No.:	HY-17503AS1
Molecular Formula:	C ₁₉ H ₂₅ D ₆ NO ₇
Molecular Weight:	391.49
Target:	Isotope-Labeled Compounds; Adrenergic Receptor; Apoptosis
Pathway:	Others; GPCR/G Protein; Neuronal Signaling; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Metoprolol-d₆ (succinate) is deuterium labeled Metoprolol (succinate). Metoprolol succinate is an orally active, selective β₁-adrenoceptor antagonist. Metoprolol succinate shows anti-inflammation, antitumor and anti-angiogenic properties^{[1][2][3][4]}.

REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother*. 2019 Feb;53(2):211-216.
- [2]. Ulleryd MA, et al. Metoprolol reduces proinflammatory cytokines and atherosclerosis in ApoE^{-/-} mice. *Biomed Res Int*. 2014;2014:548783.
- [3]. Wang D, et al. Carvedilol has stronger anti-inflammation and anti-virus effects than metoprolol in murine model with coxsackievirus B3-induced viral myocarditis. *Gene*. 2014 Sep 1;547(2):195-201.
- [4]. Hajatbeigi B, et al. Cytotoxicity of Metoprolol on Leukemic Cells in Vitro. *IJBC* 2018; 10(4): 124-129.
- [5]. Su Q, et al. Effect of metoprolol on myocardial apoptosis and caspase-9 activation after coronary microembolization in rats. *Exp Clin Cardiol*. 2013 Spring;18(2):161-5.

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

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