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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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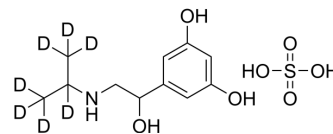
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Metaproterenol-d₇-1 hemisulfate

Cat. No.:	HY-W741999
Molecular Formula:	C ₁₁ H ₁₂ D ₇ NO ₇ S
Molecular Weight:	316.38
Target:	Isotope-Labeled Compounds; Adrenergic 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

Metaproterenol-d₇-1 (hemisulfate) is deuterium labeled Metaproterenol (hemisulfate). Metaproterenol hemisulfate (Orciprenaline hemisulfate) is a direct-acting sympathomimetic and a β₂-adrenergic receptor (β₂AR) agonist with an IC₅₀ of 68 nM. Metaproterenol hemisulfate also has anti-inflammatory activity^{[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]. Noh H, et al. Beta 2-adrenergic receptor agonists are novel regulators of macrophage activation in diabetic renal and cardiovascular complications. Kidney Int. 2017 Jul;92(1):101-113.
- [3]. Ibrahim FA, et al. Highly sensitive spectrofluorimetric method for rapid determination of orciprenaline in biological fluids and pharmaceuticals. Luminescence. 2019 Feb;34(1):77-83.

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

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