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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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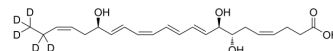
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17(R)-Resolvin D1-d₅

Cat. No.:	HY-125527AS
Molecular Formula:	C ₂₂ H ₂₇ D ₅ O ₅
Molecular Weight:	381.52
Target:	Isotope-Labeled Compounds; TRP Channel
Pathway:	Others; Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

17(R)-Resolvin D1-d₅ (17(R)-RvD1-d₅) is deuterium labeled 17(R)-Resolvin D1. 17R-Resolvin D1 (17R-RvD1; AT-RvD1) is an aspirin-triggered epimer of Resolvin D1, which exhibits anti-inflammatory activity in mice and human PMNs cells^[1]. 17R-Resolvin D1 specifically inhibits TRPV3 with an IC₅₀ of 398 nM and exhibits peripheral anti-nociceptive efficacy^[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]. Sun YP, et al., Resolvin D1 and its aspirin-triggered 17R epimer. Stereochemical assignments, anti-inflammatory properties, and enzymatic inactivation. *J Biol Chem*. 2007 Mar 30;282(13):9323-9334.
- [3]. Bang S, et al., 17(R)-resolvin D1 specifically inhibits transient receptor potential ion channel vanilloid 3 leading to peripheral antinociception. *Br J Pharmacol*. 2012 Feb;165(3):683-92.

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

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