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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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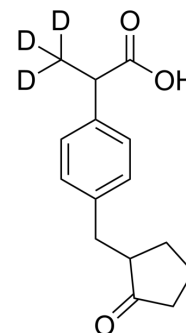
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Loxoprofen-d₃

Cat. No.:	HY-W654009
Molecular Formula:	C ₁₅ H ₁₅ D ₃ O ₃
Molecular Weight:	249.32
Target:	Isotope-Labeled Compounds; COX
Pathway:	Others; Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Loxoprofen-d₃ is deuterium labeled Loxoprofen. Loxoprofen is a non-steroidal, orally active anti-inflammatory agent with analgesic and anti-pyretic properties. Loxoprofen is a nonselective COX inhibitor with IC₅₀s of 6.5 and 13.5 μM for COX-1 and COX-2, respectively. Loxoprofen can reduce atherosclerosis and shows antitumor activity^{[1][2][3][4][5]}.

REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother*. 2019 Feb;53(2):211-216.
- [2]. Hamaguchi M, et al. Loxoprofen Sodium, a Non-Selective NSAID, Reduces Atherosclerosis in Mice by Reducing Inflammation. *J Clin Biochem Nutr*. 2010 Sep;47(2):138-47.
- [3]. Riendeau D, et al. Evaluation of loxoprofen and its alcohol metabolites for potency and selectivity of inhibition of cyclooxygenase-2. *Bioorg Med Chem Lett*. 2004;14(5):1201-1203.
- [4]. Kanda A, et al. Loxoprofen sodium suppresses mouse tumor growth by inhibiting vascular endothelial growth factor. *Acta Oncol*. 2003;42(1):62-70.
- [5]. Paudel S, et al. Assessing Drug Interaction and Pharmacokinetics of Loxoprofen in Mice Treated with CYP3A Modulators. *Pharmaceutics*. 2019;11(9):479. Published 2019 Sep 16.

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

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