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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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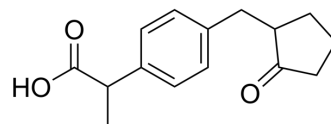
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Loxoprofen (Standard)

Cat. No.:	HY-B0578R
CAS No.:	68767-14-6
Molecular Formula:	C ₁₅ H ₁₈ O ₃
Molecular Weight:	246.3
Target:	COX
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Loxoprofen (Standard) is the analytical standard of Loxoprofen. This product is intended for research and analytical applications. 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]}.

REFERENCES

- [1]. 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.
- [2]. 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.
- [3]. 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.
- [4]. Kanda A, et al. Loxoprofen sodium suppresses mouse tumor growth by inhibiting vascular endothelial growth factor. *Acta Oncol*. 2003;42(1):62-70.

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

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