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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

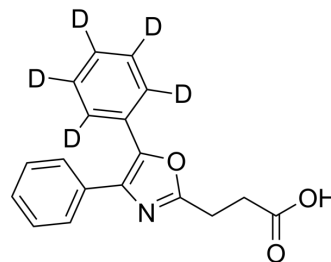
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Oxaprozin-d₅

Cat. No.:	HY-B0808S1
Molecular Formula:	C ₁₈ H ₁₀ D ₅ NO ₃
Molecular Weight:	298.35
Target:	COX; NF-κB; Isotope-Labeled Compounds
Pathway:	Immunology/Inflammation; NF-κB; Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Oxaprozin-d ₅ is deuterium labeled Oxaprozin. Oxaprozin is an inhibitor of both COX-1 and COX-2 with IC ₅₀ s of 2.2 μM and 36 μM for human platelet COX-1 and IL-1-stimulated human synovial cell COX-2, respectively. Oxaprozin also inhibits the activation of NF-κB.
In Vitro	Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother.* 2019;53(2):211-216.
- [2]. Montecucco F, et al. Oxaprozin-induced apoptosis on CD40 ligand-treated human primary monocytes is associated with the modulation of defined intracellular pathways. *J Biomed Biotechnol.* 2009;2009:478785.
- [3]. Ottonello L, et al. Delayed apoptosis of human monocytes exposed to immune complexes is reversed by oxaprozin: role of the Akt/IκB kinase/nuclear factor kappaB pathway. *Br J Pharmacol.* 2009 May;157(2):294-306.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA