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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

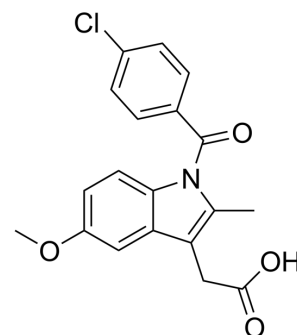
mail@szabo-scandic.com

www.szabo-scandic.com

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

Indomethacin (Standard)

Cat. No.:	HY-14397R
CAS No.:	53-86-1
Molecular Formula:	C ₁₉ H ₁₆ ClNO ₄
Molecular Weight:	357.79
Target:	COX; Antibiotic; Influenza Virus; Bacterial
Pathway:	Immunology/Inflammation; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Indomethacin (Standard) is the analytical standard of Indomethacin. This product is intended for research and analytical applications. Indomethacin (Indometacin) is a potent, orally active COX1/2 inhibitor with IC ₅₀ values of 18 nM and 26 nM for COX-1 and COX-2, respectively. Indomethacin has anticancer activity and anti-infective activity. Indomethacin can be used for cancer, inflammation and viral infection research ^{[1][2][3]} .
IC₅₀ & Target	IC ₅₀ : 18 nM (Human COX-1, in CHO cells), 26 nM (Human COX-2, in CHO cells) ^[1]

REFERENCES

- [1]. Riendeau D, et, al. Biochemical and pharmacological profile of a tetrasubstituted furanone as a highly selective COX-2 inhibitor. Br J Pharmacol. 1997 May;121(1):105-17.
- [2]. Eli Y, et, al. Comparative effects of indomethacin on cell proliferation and cell cycle progression in tumor cells grown in vitro and in vivo. Biochem Pharmacol. 2001 Mar 1;61(5):565-71.
- [3]. Amici C, et, al. Inhibition of viral protein translation by indomethacin in vesicular stomatitis virus infection: role of eIF2α kinase PKR. Cell Microbiol. 2015 Sep;17(9):1391-404.
- [4]. Helleberg L, et, al. Clinical Pharmacokinetics of indomethacin. Clin Pharmacokinet. 1981 Jul-Aug;6(4):245-58.
- [5]. Sabiu S, et, al. Indomethacin-induced gastric ulceration in rats: Protective roles of Spondias mombin and Ficus exasperate. Toxicol Rep. 2015 Jan 8;2:261-267.
- [6]. Danisman B, et, al. Carnosic Acid Ameliorates Indomethacin-Induced Gastric Ulceration in Rats by Alleviating Oxidative Stress and Inflammation. Biomedicines. 2023 Mar 9;11(3):829.

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