



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

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

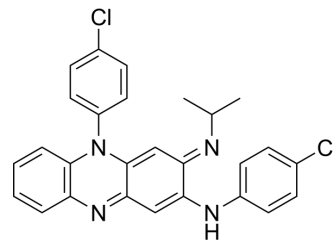
mail@szabo-scandic.com

www.szabo-scandic.com

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

Clofazimine (Standard)

Cat. No.:	HY-B1046R
CAS No.:	2030-63-9
Molecular Formula:	C ₂₇ H ₂₂ Cl ₂ N ₄
Molecular Weight:	473.4
Target:	DNA/RNA Synthesis; Interleukin Related; Apoptosis; Bacterial; Antibiotic
Pathway:	Cell Cycle/DNA Damage; Immunology/Inflammation; Apoptosis; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Clofazimine (Standard) is the analytical standard of Clofazimine. This product is intended for research and analytical applications. Clofazimine is an orally-active anti-mycobacterial agent with a wide range of anti-mycobacterial activity including leprosy and tuberculosis. Clofazimine exerts anti-inflammatory activities and anti-tumor activities by interfering DNA replication and inhibiting IL2 (IC ₅₀ = 1.10 ± 0.26 μM, Jurkat T) production. Clofazimine can be used in mycobacterial and cancer research ^{[1][2][3][4][5]} .
IC₅₀ & Target	IC50: 1.10±0.26 μM (IL2) ^[5]

REFERENCES

- [1]. Arbiser JL, et al. Clofazimine: a review of its medical uses and mechanisms of action. *J Am Acad Dermatol.* 1995 Feb;32(2 Pt 1):241-7.
- [2]. Cholo MC, et al. Clofazimine: current status and future prospects. *J Antimicrob Chemother.* 2012 Feb;67(2):290-8.
- [3]. Riccardi N, et al. Clofazimine: an old drug for never-ending diseases. *Future Microbiol.* 2020;15:557-566.
- [4]. Ammerman NC, et al. Clofazimine has delayed antimicrobial activity against *Mycobacterium tuberculosis* both in vitro and in vivo. *J Antimicrob Chemother.* 2017;72(2):455-461.
- [5]. Durusu İZ, et al. Anti-cancer effect of clofazimine as a single agent and in combination with cisplatin on U266 multiple myeloma cell line. *Leuk Res.* 2017;55:33-40.
- [6]. Ren YR, et al. Clofazimine Inhibits Human Kv1.3 Potassium Channel by Perturbing Calcium Oscillation in T Lymphocytes. *PLoS One.* 2008;3(12):e4009.

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