



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

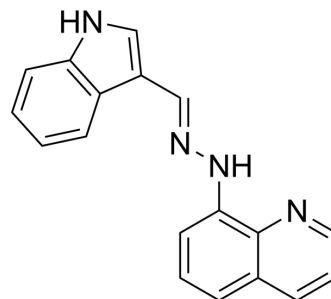
mail@szabo-scandic.com

www.szabo-scandic.com

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

Lenaldekar

Cat. No.:	HY-121662
CAS No.:	418800-15-4
Molecular Formula:	C ₁₈ H ₁₄ N ₄
Molecular Weight:	286.33
Target:	Apoptosis
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Lenaldekar (LDK) inhibits human and murine T-cell expansion. Lenaldekar inhibits autoimmune T cell response. Lenaldekar also induces cancer cell apoptosis. Lenaldekar can be used for T-cell mediated autoimmune diseases research ^[1] [2].
In Vitro	Lenaldekar (4 days) inhibits CD3+ T cell proliferation in a dose-dependent manner with an IC ₅₀ of 3 μM ^[1] . Lenaldekar (3 μM, 4 days) reduces a memory T cell response to influenza antigen H3 ^[1] . Lenaldekar (48 h) shows cytotoxicity in Jurkat T-ALL cell, with IC ₅₀ s of 0.8 μM, and induces apoptosis (1 μM) ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	Lenaldekar (40 mg/kg per day, i.p.) inhibits experimental autoimmune encephalomyelitis (EAE) relapse in mice sensitized with the encephalitogenic PLP139-151 peptide ^[1] . Lenaldekar (16 mg/kg, i.p., twice daily) inhibits tumor progression in a mouse xenograft model of T-cell acute lymphoblastic leukemia (T-ALL) ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Cusick MF, et al. Human T cell expansion and experimental autoimmune encephalomyelitis inhibited by Lenaldekar, a small molecule discovered in a zebrafish screen. *J Neuroimmunol.* 2012 Mar;244(1-2):35-44.

[2]. Ridges S, et al, et al. Zebrafish screen identifies novel compound with selective toxicity against leukemia. *Blood.* 2012 Jun 14;119(24):5621-31.

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