



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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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

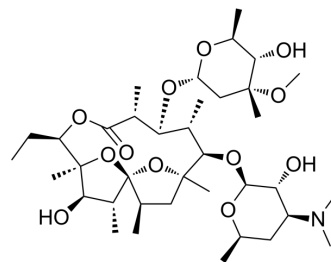
mail@szabo-scandic.com

www.szabo-scandic.com

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

Anhydroerythromycin A

Cat. No.:	HY-N7454
CAS No.:	23893-13-2
Molecular Formula:	C ₃₇ H ₆₅ NO ₁₂
Molecular Weight:	715.91
Target:	Antibiotic; Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Anhydroerythromycin A is a degradation product of the macrolide antibiotic erythromycin. Anhydroerythromycin A is formed via degradation of erythromycin in acidic aqueous solutions in vitro as well as in vivo. Anhydroerythromycin A is active against <i>S. aureus</i> and <i>B. cereus</i> in vitro (MICs = 12.5 and 6.25 µg/ml, respectively). Anhydroerythromycin A also inhibits steroid 6β-hydroxylase activity associated with the cytochrome P450 (CYP) isoform CYP3A in human liver microsomes.
IC ₅₀ & Target	Macrolide

REFERENCES

[1]. Sunazuka T, et al. Effects of erythromycin and its derivatives on interleukin-8 release by human bronchial epithelial cell line BEAS-2B cells. *J Antibiot (Tokyo)*. 1999 Jan;52(1):71-4.

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