



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

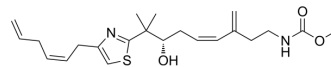
mail@szabo-scandic.com

www.szabo-scandic.com

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

Mycothiazole

Cat. No.:	HY-N12887
CAS No.:	114582-75-1
Molecular Formula:	C ₂₂ H ₃₂ N ₂ O ₃ S
Molecular Weight:	404.57
Target:	Mitochondrial Metabolism
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Mycothiazole is an inhibitor for mitochondrial electron transport chain (ETC) complex I. Mycothiazole exhibits cytotoxicity in cancer cells Huh7 (IC₅₀ is 55.8 μM), U87 and MCF7. Mycothiazole induces apoptosis in Huh7. Mycothiazole utilizes the unfolded protein response (UPR) and heat shock response (HSR) pathway involved transcription factors ATFS-1 and HSF1, to extend the lifespan of *C. elegans*^[1].

REFERENCES

[1]. Dutta N, et al., Investigating impacts of the mycothiazole chemotype as a chemical probe for the study of mitochondrial function and aging. *Geroscience*. 2024 Apr 3.

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