



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

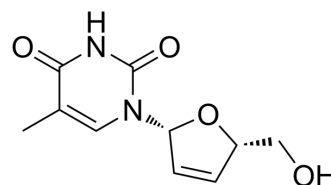
mail@szabo-scandic.com

www.szabo-scandic.com

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

Stavudine (Standard)

Cat. No.:	HY-B0116R
CAS No.:	3056-17-5
Molecular Formula:	C ₁₀ H ₁₂ N ₂ O ₄
Molecular Weight:	224.21
Target:	Apoptosis; Reverse Transcriptase; Autophagy; HIV; Nucleoside Antimetabolite/Analog; NOD-like Receptor (NLR)
Pathway:	Apoptosis; Anti-infection; Autophagy; Cell Cycle/DNA Damage; Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Stavudine (Standard) is the analytical standard of Stavudine. This product is intended for research and analytical applications. Stavudine (d4T) is an orally active nucleoside reverse transcriptase inhibitor (NRTI). Stavudine has activity against HIV-1 and HIV-2. Stavudine also inhibits the replication of mitochondrial DNA (mtDNA). Stavudine reduces NLRP3 inflammasome activation and modulates Amyloid- β autophagy. Stavudine induces apoptosis^{[1][2][3][4]}.

REFERENCES

- [1]. Moyle GJ, et al. The role of stavudine in the management of adults with HIV infection. *Antivir Ther.* 1997;2(4):207-218.
- [2]. Riddler SA, et al. Antiretroviral activity of stavudine (2',3'-didehydro-3'-deoxythymidine, D4T). *Antiviral Res.* 1995;27(3):189-203.
- [3]. La Rosa F, et al. Stavudine Reduces NLRP3 Inflammasome Activation and Modulates Amyloid- β Autophagy. *J Alzheimers Dis.* 2019;72(2):401-412.
- [4]. Ferraresi R, et al. Protective effect of acetyl-L-carnitine against oxidative stress induced by antiretroviral drugs. *FEBS Lett.* 2006;580(28-29):6612-6616.
- [5]. Anissa Igoudjil, et al. High doses of stavudine induce fat wasting and mild liver damage without impairing mitochondrial respiration in mice. *Antivir Ther.* 2007;12(3):389-400.

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