



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

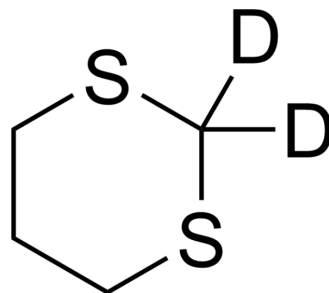
www.szabo-scandic.com

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



1,3-Dithiane-d₂

Cat. No.:	HY-W001189S
CAS No.:	71870-74-1
Molecular Formula:	C ₄ H ₆ D ₂ S ₂
Molecular Weight:	122.25
Target:	Isotope-Labeled Compounds; Bacterial
Pathway:	Others; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

1,3-Dithiane-d₂ is the deuterium labeled 1,3-Dithiane (HY-W001189). 1,3-Dithiane is a protected formaldehyde anion equivalent that could serve as a useful labeled synthon^[1]. 1,3-Dithiane is also a sulfur-containing Maillard reaction products (MRPs) found in boiled beef extracts. 1,3-Dithiane shows a potent direct-acting mutagenicity toward *S. typhimurium* TA98 and TA100^[2].

REFERENCES

- [1]. Lee H, et al. Genotoxicity of 1,3-dithiane and 1,4-dithiane in the CHO/SCE assay and the Salmonella/microsomal test. *Mutat Res.* 1994 Jun;321(4):213-8.
- [2]. Martinez RA, et al. Synthesis of isotopically labeled 1,3-dithiane. *J Labelled Comp Radiopharm.* 2014 May 15;57(5):338-41.

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