



# 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

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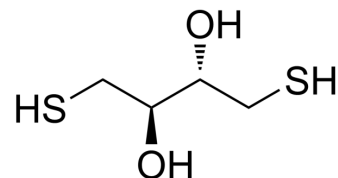
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## DTE

<b>Cat. No.:</b>	HY-15916		
<b>CAS No.:</b>	6892-68-8		
<b>Molecular Formula:</b>	C <sub>4</sub> H <sub>10</sub> O <sub>2</sub> S <sub>2</sub>		
<b>Molecular Weight:</b>	154.25		
<b>Target:</b>	Biochemical Assay Reagents		
<b>Pathway:</b>	Others		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



## SOLVENT & SOLUBILITY

### In Vitro

DMSO : 100 mg/mL (648.30 mM; Need ultrasonic)  
 H<sub>2</sub>O : 50 mg/mL (324.15 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	6.4830 mL	32.4149 mL	64.8298 mL
	5 mM	1.2966 mL	6.4830 mL	12.9660 mL
	10 mM	0.6483 mL	3.2415 mL	6.4830 mL

Please refer to the solubility information to select the appropriate solvent.

### In Vivo

- Add each solvent one by one: PBS  
Solubility: 50 mg/mL (324.15 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 2.5 mg/mL (16.21 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (16.21 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (16.21 mM); Clear solution

## BIOLOGICAL ACTIVITY

### Description

DTE (Dithioerythritol) is a sulfur-containing sugar derived from the corresponding 4-carbon monosaccharide erythrose; an epimer of dithiothreitol (DTT).

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## CUSTOMER VALIDATION

- Immunity. 2023 Mar 14;56(3):620-634.e11.
- PLoS Negl Trop Dis. 2021 Jan 25;15(1):e0009072.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

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## REFERENCES

[1]. Dithioerythritol, From Wikipedia

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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