



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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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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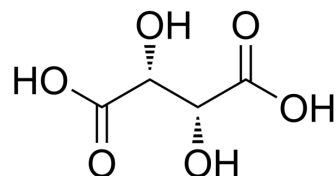
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## DL-Tartaric acid

Cat. No.:	HY-Y1315
CAS No.:	133-37-9
Molecular Formula:	C <sub>4</sub> H <sub>6</sub> O <sub>6</sub>
Molecular Weight:	150.09
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	Store at room temperature 3 years In solvent -80°C 2 years -20°C 1 year



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (666.27 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	6.6627 mL	33.3133 mL	66.6267 mL
5 mM	1.3325 mL	6.6627 mL	13.3253 mL
10 mM	0.6663 mL	3.3313 mL	6.6627 mL

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

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 2.5 mg/mL (16.66 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (16.66 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (16.66 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

DL-Tartaric acid is a non-racemic mixture of L- and D-tartaric acids with antioxidant activities<sup>[1][2]</sup>.

### CUSTOMER VALIDATION

- Pharmaceutical Fronts. 2021; 03(04): e194-e199.

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

## REFERENCES

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[1]. Mathias Ibert, et al. Determination of the side-products formed during the nitroxide-mediated bleach oxidation of glucose to glucaric acid. Carbohydr Res. 2002 Jun 5;337(11):1059-63.

[2]. Thirada Piyanan, et al. An Instrument-free Detection of Antioxidant Activity Using Paper-based Analytical Devices Coated with Nanoceria. Anal Sci. 2018;34(1):97-102.

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

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