



# 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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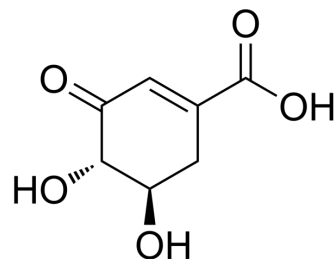
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## (-)-3-Dehydroshikimic acid

Cat. No.:	HY-N9934
CAS No.:	2922-42-1
Molecular Formula:	C <sub>7</sub> H <sub>8</sub> O <sub>5</sub>
Molecular Weight:	172.14
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : 250 mg/mL (1452.31 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent		Mass		
	Concentration		1 mg	5 mg	10 mg
	1 mM		5.8092 mL	29.0461 mL	58.0923 mL
	5 mM		1.1618 mL	5.8092 mL	11.6185 mL
	10 mM		0.5809 mL	2.9046 mL	5.8092 mL

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

### BIOLOGICAL ACTIVITY

#### Description

(-)-3-Dehydroshikimic acid (3-DHS; 5-Dehydroshikimic acid) is an intermediate in the biosynthesis of aromatic amino acids. (-)-3-Dehydroshikimic acid shows antioxidant activity<sup>[1][2]</sup>.

### REFERENCES

[1]. Li K, et al. Microbial synthesis of 3-dehydroshikimic acid: a comparative analysis of D-xylose, L-arabinose, and D-glucose carbon sources. *Biotechnol Prog.* 1999 Sep-Oct;15(5):876-83.

[2]. Chang YC, et al. Antioxidant activity of 3-dehydroshikimic acid in liposomes, emulsions, and bulk oil. *J Agric Food Chem.* 2003 Apr 23;51(9):2753-7.

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

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