



# 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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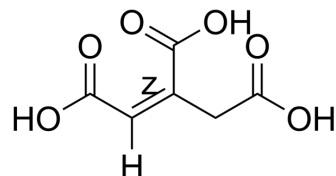
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## (Z)-Aconitic acid

<b>Cat. No.:</b>	HY-W016814	
<b>CAS No.:</b>	585-84-2	
<b>Molecular Formula:</b>	C <sub>6</sub> H <sub>6</sub> O <sub>6</sub>	
<b>Molecular Weight:</b>	174.11	
<b>Target:</b>	Endogenous Metabolite	
<b>Pathway:</b>	Metabolic Enzyme/Protease	
<b>Storage:</b>	Powder	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : 100 mg/mL (574.35 mM; Need ultrasonic)  
 DMSO : ≥ 100 mg/mL (574.35 mM)  
 \* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent		1 mg	5 mg	10 mg
	Concentration	Mass			
	1 mM		5.7435 mL	28.7175 mL	57.4350 mL
	5 mM		1.1487 mL	5.7435 mL	11.4870 mL
	10 mM		0.5743 mL	2.8717 mL	5.7435 mL

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

#### In Vivo

- Add each solvent one by one: PBS  
Solubility: 100 mg/mL (574.35 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 (14.36 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (14.36 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (14.36 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

(Z)-Aconitic acid (cis-Aconitic acid) is the cis-isomer of Aconitic acid. (Z)-Aconitic acid (cis-Aconitic acid) is an intermediate in the tricarboxylic acid cycle produced by the dehydration of citric acid.

#### IC<sub>50</sub> & Target

Human Endogenous Metabolite

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## CUSTOMER VALIDATION

- J Agric Food Chem. 2021 Nov 18.

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

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

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