



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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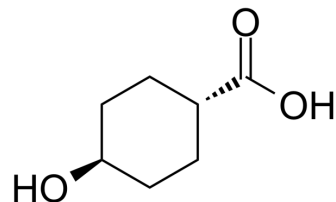
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## trans-4-Hydroxycyclohexanecarboxylic acid

Cat. No.:	HY-76199		
CAS No.:	3685-26-5		
Molecular Formula:	C <sub>7</sub> H <sub>12</sub> O <sub>3</sub>		
Molecular Weight:	144.17		
Target:	Others		
Pathway:	Others		
Storage:	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 (693.63 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	6.9363 mL	34.6813 mL	69.3626 mL
		5 mM	1.3873 mL	6.9363 mL	13.8725 mL
10 mM		0.6936 mL	3.4681 mL	6.9363 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	<ol style="list-style-type: none"> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 40% PEG300 &gt;&gt; 5% Tween-80 &gt;&gt; 45% saline Solubility: ≥ 2.5 mg/mL (17.34 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (17.34 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil Solubility: ≥ 2.5 mg/mL (17.34 mM); Clear solution</li> </ol>				

### BIOLOGICAL ACTIVITY

Description	trans-4-Hydroxycyclohexanecarboxylic acid is a substrate for cyclohexanecarboxylic acid production. trans-4-Hydroxycyclohexanecarboxylic acid is the by-product of intestinal bacterial metabolism via urinary excretion <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC <sub>50</sub> : substrate for cyclohexanecarboxylic acid <sup>[1]</sup> ; by-product of intestinal bacterial metabolism <sup>[2]</sup>

### REFERENCES

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[1]. Montañó A, et al. 4-Hydroxycyclohexanecarboxylic Acid as a Substrate for Cyclohexanecarboxylic Acid Production during the " Zapatera " Spoilage of Spanish-Style Green Table Olives.J Food Prot. 1996 Jun;59(6):657-662.

[2]. Kronick JB, et al. Apparent gastrointestinal origin of cis-4-hydroxycyclohexanecarboxylic acid.Clin Chim Acta. 1983 Aug 15;132(2):205-8.

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

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