



# 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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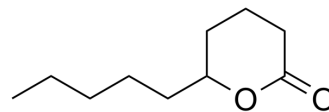
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## δ-Decalactone

<b>Cat. No.:</b>	HY-W016979		
<b>CAS No.:</b>	705-86-2		
<b>Molecular Formula:</b>	C <sub>10</sub> H <sub>18</sub> O <sub>2</sub>		
<b>Molecular Weight:</b>	170.25		
<b>Target:</b>	Others		
<b>Pathway:</b>	Others		
<b>Storage:</b>	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (587.37 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	5.8737 mL	29.3686 mL	58.7372 mL
	5 mM	1.1747 mL	5.8737 mL	11.7474 mL
	10 mM	0.5874 mL	2.9369 mL	5.8737 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 (14.68 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (14.68 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (14.68 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

δ-Decalactone is a lactone compound found in nonfat dry milks and fruit. δ-Decalactone has a sweet taste<sup>[1][2]</sup>.

### REFERENCES

[1]. Y Karagül-Yüceer, et al. Aroma-active components of nonfat dry milk. J Agric Food Chem. 2001 Jun;49(6):2948-53.

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[2]. Hirotoishi Tamura, et al. Authenticity assessment of gamma- and delta-decalactone from prunus fruits by gas chromatography combustion/pyrolysis isotope ratio mass spectrometry (GC-C/P-IRMS). J Agric Food Chem. 2005 Jun 29;53(13):5397-401.

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

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