



# 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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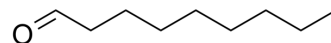
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## Nonanal

Cat. No.:	HY-N8016	
CAS No.:	124-19-6	
Molecular Formula:	C <sub>9</sub> H <sub>18</sub> O	
Molecular Weight:	142.24	
Target:	Others	
Pathway:	Others	
Storage:	Pure form	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (703.04 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		7.0304 mL	35.1519 mL	70.3037 mL
		5 mM		1.4061 mL	7.0304 mL	14.0607 mL
10 mM		0.7030 mL	3.5152 mL	7.0304 mL		
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (17.58 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (17.58 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (17.58 mM); Clear solution					

### BIOLOGICAL ACTIVITY

Description	Nonanal is a saturated fatty aldehyde with antidiarrhoeal activity <sup>[1]</sup> .
In Vitro	Nonanal shows a significant activity against <i>B. cereus</i> and <i>L. monocytogenes</i> , the MIC values are both 7.8 µg/ml <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	Nonanal shows a significant inhibitory effect on mice with diarrhoea induced with castor oil <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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## REFERENCES

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[1]. Miguel A, et al. Antidiarrhoeal Activity of Nonanal, an Aldehyde Isolated from Artemisia ludoviciana. *Pharmaceutical Biology* Volume 40, 2002 - Issue 4

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

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