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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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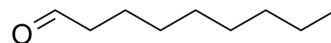
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Nonanal

Cat. No.:	HY-N8016
CAS No.:	124-19-6
Molecular Formula:	C ₉ H ₁₈ 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 Concentration	Mass	1 mg	5 mg	10 mg
		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 ^[1] .
In Vitro	Nonanal shows a significant activity against B. cereus and L. monocytogenes, the MIC values are both 7.8 µg/ml ^[1] . 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 ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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

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

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