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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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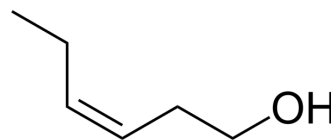
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cis-3-Hexen-1-ol

Cat. No.:	HY-W010607		
CAS No.:	928-96-1		
Molecular Formula:	C ₆ H ₁₂ O		
Molecular Weight:	100		
Target:	Others		
Pathway:	Others		
Storage:	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 (1000.00 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	10.0000 mL	50.0000 mL	100.0000 mL
	5 mM	2.0000 mL	10.0000 mL	20.0000 mL
	10 mM	1.0000 mL	5.0000 mL	10.0000 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 (25.00 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (25.00 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (25.00 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

cis-3-Hexen-1-ol ((Z)-3-Hexen-1-ol) is a green grassy smelling compound found in many fresh fruits and vegetables. cis-3-Hexen-1-ol is widely used as an added flavor in processed food to provide a fresh green quality. cis-3-Hexen-1-ol is an attractant to various insects^{[1][2]}.

REFERENCES

[1]. Jeremy F McRae, et al. Genetic variation in the odorant receptor OR2J3 is associated with the ability to detect the "grassy" smelling odor, cis-3-hexen-1-ol. *Chem Senses*. 2012 Sep;37(7):585-93.

[2]. Yuqian Zhang, et al. Spatial differences in (Z)-3-hexen-1-ol production preferentially reduces *Spodoptera litura* larva attack on the young leaves of *Nicotiana benthamiana*. *Plant Sci*. 2016 Nov;252:367-373.

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

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