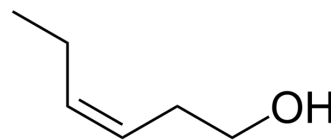


cis-3-Hexen-1-ol

Cat. No.:	HY-W010607		
CAS No.:	928-96-1		
Molecular Formula:	C ₆ H ₁₂ O		
Molecular Weight:	100.16		
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 (998.40 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
Preparing Stock Solutions	1 mM	9.9840 mL	49.9201 mL	99.8403 mL
	5 mM	1.9968 mL	9.9840 mL	19.9681 mL
	10 mM	0.9984 mL	4.9920 mL	9.9840 mL
Please refer to the solubility information to select the appropriate solvent.				
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (24.96 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (24.96 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (24.96 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]} .
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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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