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Produktinformation



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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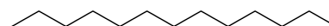
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Tridecane

Cat. No.:	HY-W088037		
CAS No.:	629-50-5		
Molecular Formula:	C ₁₃ H ₂₈		
Molecular Weight:	184.36		
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 (542.42 mM; Need ultrasonic)
 Ethanol : 100 mg/mL (542.42 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	5.4242 mL	27.1209 mL	54.2417 mL
	5 mM	1.0848 mL	5.4242 mL	10.8483 mL
	10 mM	0.5424 mL	2.7121 mL	5.4242 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 (13.56 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (13.56 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (13.56 mM); Clear solution
- Add each solvent one by one: 10% EtOH >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 1.25 mg/mL (6.78 mM); Clear solution
- Add each solvent one by one: 10% EtOH >> 90% corn oil
Solubility: ≥ 1.25 mg/mL (6.78 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Tridecane is a short chain aliphatic hydrocarbon containing 13 carbon atoms. Tridecane is a volatile oil component isolated from essential oil of Piper aduncum L. Tridecane is a stress compound released by the brown marmorated stink

REFERENCES

- [1]. Pallavi Mohekar, et al. Influence of Winemaking Processing Steps on the Amounts of (E)-2-Decenal and Tridecane as Off-Odorants Caused by Brown Marmorated Stink Bug (*Halyomorpha halys*). *J Agric Food Chem*. 2017 Feb 1;65(4):872-878.
- [2]. Motoi Yamashita, et al. The effect of pressure on the phase transition behavior of tridecane, pentadecane, and heptadecane: a Fourier transform infrared spectroscopy study. *J Chem Phys*. 2011 Apr 14;134(14):144503.
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Caution: Product has not been fully validated for medical applications. For research use only.

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