



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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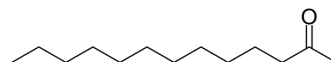
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## 2-Tridecanone

Cat. No.:	HY-W009811		
CAS No.:	593-08-8		
Molecular Formula:	C <sub>13</sub> H <sub>26</sub> O		
Molecular Weight:	198.35		
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 : 50 mg/mL (252.08 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	5.0416 mL	25.2080 mL	50.4159 mL
	5 mM	1.0083 mL	5.0416 mL	10.0832 mL
	10 mM	0.5042 mL	2.5208 mL	5.0416 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 (12.60 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (12.60 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (12.60 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

2-Tridecanone, a nonalkaloid insecticide, is isolated from the wild tomato *Lycopersicon hirsutum* f. *glabratum*. 2-Tridecanone is a volatile organic compound<sup>[1][2]</sup>.

### REFERENCES

[1]. Williams WG, et, al. 2-Tridecanone: A Naturally Occurring Insecticide from the Wild Tomato *Lycopersicon hirsutum* f. *glabratum*. *Science*. 1980 Feb 22;207(4433):888-9.

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

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