



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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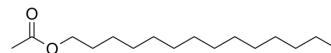
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## Tetradecyl acetate

Cat. No.:	HY-W042284		
CAS No.:	638-59-5		
Molecular Formula:	C <sub>16</sub> H <sub>32</sub> O <sub>2</sub>		
Molecular Weight:	256.42		
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 (389.99 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
	1 mM		3.8999 mL	19.4993 mL	38.9985 mL
	5 mM		0.7800 mL	3.8999 mL	7.7997 mL
	10 mM		0.3900 mL	1.9499 mL	3.8999 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 (9.75 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (9.75 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (9.75 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Tetradecyl acetate is a sex pheromone produced by *Ctenopseustis obliquana* females. Tetradecyl acetate can be used to disrupt the mating of pest species<sup>[1][2]</sup>.

### REFERENCES

- [1]. S P Foster, et al. Sex pheromone differences in populations of the brownheaded leafroller, *Ctenopseustis obliquana*. J Chem Ecol. 1987 Mar;13(3):623-9.

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[2]. David M Suckling, et al. Development of single-dispenser pheromone suppression of *Epiphyas postvittana*, *Planotortrix octo* and *Ctenopseustis obliquana* in New Zealand stone fruit orchards. *Pest Manag Sci*. 2012 Jun;68(6):928-34.

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

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