



# 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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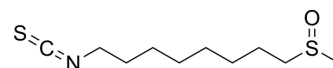
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## 8-Methylsulfinyloctyl isothiocyanate

Cat. No.:	HY-115770		
CAS No.:	75272-81-0		
Molecular Formula:	C <sub>10</sub> H <sub>19</sub> NOS <sub>2</sub>		
Molecular Weight:	233.39		
Target:	Bacterial		
Pathway:	Anti-infection		
Storage:	Pure form	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (214.23 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		4.2847 mL	21.4234 mL	42.8467 mL
		5 mM		0.8569 mL	4.2847 mL	8.5693 mL
10 mM		0.4285 mL	2.1423 mL	4.2847 mL		
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 1.25 mg/mL (5.36 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1.25 mg/mL (5.36 mM); Clear solution					

### BIOLOGICAL ACTIVITY

Description	8-Methylsulfinyloctyl isothiocyanate, an isothiocyanate, has antimicrobial activity and remarkable inhibitory activity against plant growth <sup>[1]</sup> . 8-Methylsulfinyloctyl isothiocyanate impair COX-2 mediated inflammatory responses in LPS stimulated raw macrophages <sup>[2]</sup> .
In Vitro	8-methylsulphinyloctyl isothiocyanate (1-10 μM), constituent of watercress, suppresses LPS induced production of nitric oxide and prostaglandin E2 in RAW 264.7 macrophages <sup>[2]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

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

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