



# 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

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

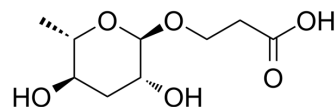
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## Ascr#5

Cat. No.:	HY-N6978
CAS No.:	1086696-26-5
Molecular Formula:	C <sub>9</sub> H <sub>16</sub> O <sub>6</sub>
Molecular Weight:	220.22
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



## SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (454.09 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	4.5409 mL	22.7046 mL	45.4091 mL
		5 mM	0.9082 mL	4.5409 mL	9.0818 mL
		10 mM	0.4541 mL	2.2705 mL	4.5409 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: ≥ 2.5 mg/mL (11.35 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (11.35 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (11.35 mM); Clear solution				

## BIOLOGICAL ACTIVITY

Description	Ascr#5 is a highly conserved ascaroside isolated from <i>Caenorhabditis elegans</i> .
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## REFERENCES

[1]. Dong C, et al. Comparative Ascaroside Profiling of *Caenorhabditis* Exometabolomes Reveals Species-Specific ( $\omega$ ) and ( $\omega$  - 2)-Hydroxylation Downstream of Peroxisomal  $\beta$ -Oxidation. *J Org Chem.* 2018 Jul 6;83(13):7109-7120.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA