



SZABO SCANDIC

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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

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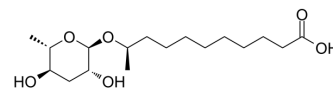
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Ascr#18

Cat. No.:	HY-N8393
CAS No.:	1355681-10-5
Molecular Formula:	C ₁₇ H ₃₂ O ₆
Molecular Weight:	332.43
Target:	Bacterial; Fungal
Pathway:	Anti-infection
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 120 mg/mL (360.98 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent Concentration Mass	1 mg	5 mg	10 mg
		1 mM	3.0082 mL	15.0408 mL	30.0815 mL
		5 mM	0.6016 mL	3.0082 mL	6.0163 mL
		10 mM	0.3008 mL	1.5041 mL	3.0082 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: ≥ 3.25 mg/mL (9.78 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 3.25 mg/mL (9.78 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 3.25 mg/mL (9.78 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Ascr#18, an ascaroside, is a hormone of nematodes. Ascr#18 is expressed during nematode development. Ascr#18 increases resistance in Arabidopsis, tomato, potato and barley to viral, bacterial, oomycete, fungal and nematode infections ^[1] .
In Vitro	Ascr#18 (0.1-10 μM; pretreated 24 h) enhances pathogen resistance and activates defense responses in Arabidopsis ^[1] . 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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