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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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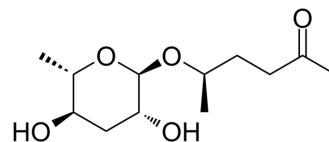
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Ascr#2

Cat. No.:	HY-N6974
CAS No.:	946524-24-9
Molecular Formula:	C ₁₂ H ₂₂ O ₅
Molecular Weight:	246.3
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 : 400 mg/mL (1624.04 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
			1 mM	4.0601 mL	20.3004 mL	40.6009 mL
			5 mM	0.8120 mL	4.0601 mL	8.1202 mL
			10 mM	0.4060 mL	2.0300 mL	4.0601 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: 10 mg/mL (40.60 mM); Suspended solution; Need ultrasonic					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 10 mg/mL (40.60 mM); Suspended solution; Need ultrasonic					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 10 mg/mL (40.60 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Ascr#2 is an ascaroside isolated from <i>Caenorhabditis elegans</i> , potently promotes dauer formation, and also acts as a potent male attractant combined with ascr#3 at low concentration ^[1] .
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REFERENCES

[1]. Srinivasan J, et al. A blend of small molecules regulates both mating and development in *Caenorhabditis elegans*. *Nature*. 2008 Aug 28;454(7208):1115-8.

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

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