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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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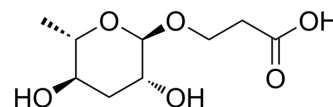
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Ascr#5

Cat. No.:	HY-N6978
CAS No.:	1086696-26-5
Molecular Formula:	C ₉ H ₁₆ O ₆
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)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		4.5409 mL	22.7045 mL	45.4089 mL
		5 mM		0.9082 mL	4.5409 mL	9.0818 mL
		10 mM		0.4541 mL	2.2704 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 (ω) and (ω - 2)-Hydroxylation Downstream of Peroxisomal β -Oxidation. *J Org Chem*. 2018 Jul 6;83(13):7109-7120.

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

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