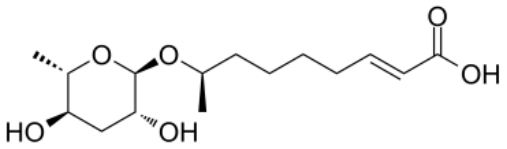
Product Data Sheet

Product Name: Ascr#3
Cat. No.: GC35403

Chemical Properties

Cas. No.	946524-26-1		
SMILES	C[C@@H](O[C@H](O[C@@H](C)[C@@H](C1)O)[C@@H]1O)CCCC/C=C/C(O)=O		
Formula	$C_{15}H_{26}O_6$	M.Wt	302.36
Solubility	DMSO : 200 mg/mL (661.46 mM; Need ultrasonic)	Storage	4°C, protect from light
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure			



Background

Ascr#3 is an ascaroside isolated from Caenorhabditis elegans, acts a potent male attractant, and also promotes dauer formation combined with ascr#2 at low concentration[1].

[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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