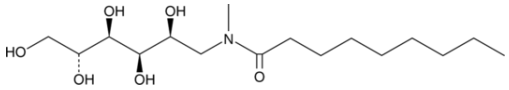
Product Data Sheet

Product Name: MEGA-9
Cat. No.: GC44153

Chemical Properties

Cas. No.	85261-19-4		
SMILES	OC[C@@H](O)[C@@H](O)[C@H](O)[C@@H](O)CN(C)C(CCCCCCCC)=O		
Formula	C16H33NO6	M.Wt	335.4
Solubility	DMF: 30 mg/ml,DMSO: 30 mg/ml,DMSO:PBS (pH 7.2) (1:2): 0.33 mg/ml,Ethanol: 1 mg/ml	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 ℃ and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20℃ 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

MEGA-9 is a nonionic detergent that can be used to solubilize membrane proteins. It has a critical micelle concentration (CMC) of 20 mM under no-salt conditions and CMCs ranging from 2 to 17.1 mM under high and low salt conditions for a variety of salts. It has been used to solubilize the melibiose transport carrier from E. coli membranes and reconstitute it into liposomes.

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