

Product Data Sheet

Product Name: Cholera autoinducer 1

Cat. No.: GC70920

Chemical Properties

Cas. No. 1004296-82-5

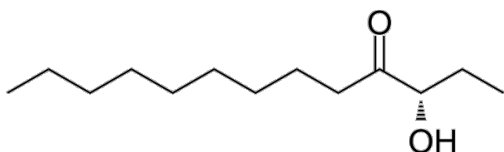
Formula $C_{13}H_{26}O_2$ M.Wt 214.34

Solubility DMSO : 5.36 mg/mL (25.01 mM); Storage -20°C
Need ultrasonic and warming;
Hygroscopic DMSO has a significant impact on the solubility of product, please use newly opened DMSO)

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

Cholera autoinducer 1 is *Vibrio cholerae* autoinducer (S)-3-hydroxytridecan-4-one. Cholera autoinducer 1 influences chemotaxis in *C. elegans*.

References:

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

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[1]. Werner KM, et al. *Caenorhabditis elegans* recognizes a bacterial quorum-sensing signal molecule through the AWCON neuron. *J Biol Chem*. 2014;289(38):26566-26573.

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