

Product Data Sheet

Product Name: Heneicosane

Cat. No.: GC61680

Chemical Properties

Cas. No. 629-94-7

SMILES CCCCCCCCCCCCCCCCCCCC

Formula $C_{21}H_{44}$ M.Wt 296.57

Solubility DMSO : 2.5 mg/mL (8.43 mM;
ultrasonic and warming and heat to
60°C) Storage Store at -20°C

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.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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Structure



Background

Heneicosane is an aroma component isolated from *Streptomyces philanthi* RL-1-178 or *Serapias cordigera*. Heneicosane is a pheromone and inhibits aflatoxin production[1][2][3].

[1]. Colin F Funaro, et al. Identification of a queen and king recognition pheromone in the subterranean termite *Reticulitermes flavipes*. *Proc Natl Acad Sci U S A*. 2018 Apr 10;115(15):3888-3893. [2]. S Boukaew, et al. Efficacy of volatile compounds from *Streptomyces philanthi* RL-1-178 as a biofumigant for controlling growth and aflatoxin production of the two aflatoxin-producing fungi on stored soybean seeds. *J Appl Microbiol*. 2020 Sep;129(3):652-664. [3]. Maurizio D'Auria, et al. The composition of the aroma of *Serapias* orchids in Basilicata (Southern Italy). *Nat Prod Res*. 2020 Jan 20;1-5.

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