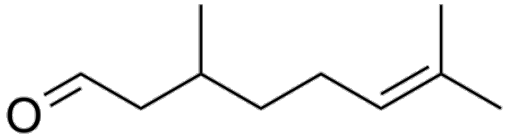
Product Data Sheet

Product Name: Citronellal
Cat. No.: GC63289

Chemical Properties

Cas. No.	106-23-0		
Formula	$C_{10}H_{18}O$	M.Wt	154.25
Solubility	DMSO : 100mg/mL	Storage	4°C, stored under nitrogen
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

Citronellal is a monoterpenea from the essential oils in various aromatic species of plants, with depressant, hypnotic, and antinociceptive properties. Citronellal attenuates mechanical nociception, mediated in part by the NO-cGMP-ATP-sensitive K? channel pathway[1][2].

[1]. Melo MS, et al. Antinociceptive effect of citronellal in mice. Pharm Biol. 2010 Apr;48(4):411-6.
[2]. de Santana MT, et al. Citronellal, a monoterpene present in Java citronella oil, attenuates mechanical nociception response in mice. Pharm Biol. 2013 Sep;51(9):1144-9.

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