

Product Data Sheet

Product Name: trans-5-Decenyl acetate

Cat. No.: GC81635

Chemical Properties

Cas. No. 38421-90-8

Formula $C_{12}H_{22}O_2$ M.Wt 198.31

Solubility DMSO: 100 mg/mL (504.26 mM; Storage Store at -20°C
Need ultrasonic)

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.

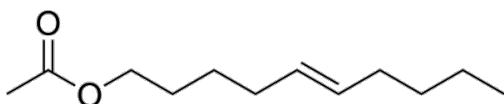
Caution: Product has not been fully validated for medical applications. For research use only.

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

trans-5-Decenyl acetate is a synthetic sex pheromone component. trans-5-Decenyl acetate attracts male *Anarsia lineatella* moths when used in a mixture with trans-5-decen-1-ol. trans-5-Decenyl acetate can be used to monitor male *Anarsia lineatella* moth activity in peach and almond orchard field [1].

In Vivo, trans-5-Decenyl acetate (5 mg; loaded into rubber septa dispensers) formulated with 1 mg trans-5-decen-1-ol effectively attract male peach twig borer moths, with a mean trap catch of 2249 moths, and enable detection of distinct diel and seasonal flight patterns in orchard settings[1].

References:

[1]. Rice R E, et al. Peach twig borer: field use of a synthetic sex pheromone[J]. Journal of Economic

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Entomology, 1975, 68(3): 358-360.

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