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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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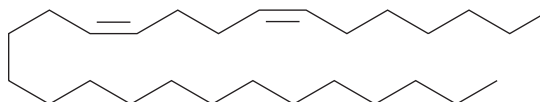
Product Information



7(Z),11(Z)-Heptacosadiene

Catalog No. 10012567

CAS Registry No.: 100462-58-6
Formal Name: heptacos-7Z,11Z-diene
Synonym: 7(Z),11(Z)-Heptacosadiene
MF: C₂₇H₅₂
FW: 376.7
Purity: ≥98%
Stability: ≥1 year at -20°C
Supplied as: A solution in ethanol



Laboratory Procedures

For long term storage, we suggest that 7(Z),11(Z)-heptacosadiene be stored as supplied at -20°C. It should be stable for at least one year.

7(Z),11(Z)-Heptacosadiene is supplied as a solution in ethanol. To change the solvent, simply evaporate the ethanol under a gentle stream of nitrogen and immediately add the solvent of choice. Solvents such as ethanol, DMSO, and dimethyl formamide purged with an inert gas can be used. The solubility of 7(Z),11(Z)-heptacosadiene in these solvents is approximately 20 mg/ml.

If aqueous stock solutions are required for biological experiments, they can best be prepared by diluting the organic solvent into aqueous buffers or isotonic saline. Ensure that the residual amount of organic solvent is insignificant, since organic solvents may have physiological effects at low concentrations. We do not recommend storing the aqueous solution for more than one day.

The mating and social behaviors of insects are largely orchestrated by a suite of volatile cuticular hydrocarbon pheromones. 7(Z),11(Z)-Heptacosadiene is the predominant female-specific courtship pheromone of the fruit fly *D. melanogaster*. At amounts above 100 ng, 7(Z),11(Z)-heptacosadiene elicits wing vibrations in male *D. melanogaster* flies in a dose-dependent manner.¹

Reference

1. Antony, C., Davis, T.L., Carlson, D.A., *et al.* Compared behavioral responses of male *Drosophila melanogaster* (canton S) to natural and synthetic aphrodisiacs. *Journal of Chemical Ecology* **11(12)**, 1617-1629 (1985).

Related Product

11-*cis* Vaccenyl Acetate - Cat. No. 10012567

WARNING: THIS PRODUCT IS FOR LABORATORY RESEARCH ONLY: NOT FOR ADMINISTRATION TO HUMANS. NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

MATERIAL SAFETY DATA

This material should be considered hazardous until information to the contrary becomes available. Do not ingest, swallow, or inhale. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. This information contains some, but not all, of the information required for the safe and proper use of this material. Before use, the user must review the complete Material Safety Data Sheet, which has been sent *via* email to your institution.

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