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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Heneicosane

| | | | |
|---------------------------|---------------------------------|-------|----------|
| Cat. No.: | HY-W089845 | | |
| CAS No.: | 629-94-7 | | |
| Molecular Formula: | C ₂₁ H ₄₄ | | |
| Molecular Weight: | 296.57 | | |
| Target: | Fungal | | |
| Pathway: | Anti-infection | | |
| Storage: | Powder | -20°C | 3 years |
| | | 4°C | 2 years |
| | In solvent | -80°C | 6 months |
| | | -20°C | 1 month |



SOLVENT & SOLUBILITY

In Vitro

DMSO : 2.5 mg/mL (8.43 mM; ultrasonic and warming and heat to 60°C)

| Concentration | Solvent | Mass | | |
|---------------------------|---------|-----------|------------|------------|
| | | 1 mg | 5 mg | 10 mg |
| Preparing Stock Solutions | 1 mM | 3.3719 mL | 16.8594 mL | 33.7189 mL |
| | 5 mM | 0.6744 mL | 3.3719 mL | 6.7438 mL |
| | 10 mM | --- | --- | --- |

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

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]}.

REFERENCES

- [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.

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

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