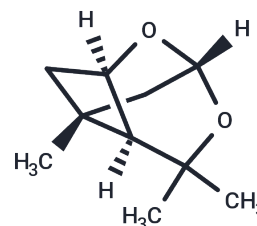


Lineatin

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 65035-34-9 |
| Formula: | C ₁₀ H ₁₆ O ₂ |
| Molecular Weight: | 168.23 |
| Storage: | Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA. |



Biological Description

| | |
|---------------|--|
| Description | Lineatin is a pheromone isolated from the frass of the female ambrosia beetle <i>Trypodendron lineatum</i> Olivier, which is a deleterious pest to coniferous forests in Europe and North America. |
| Targets(IC50) | Others |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 5.9442 mL | 29.7212 mL | 59.4424 mL |
| 5 mM | 1.1888 mL | 5.9442 mL | 11.8885 mL |
| 10 mM | 0.5944 mL | 2.9721 mL | 5.9442 mL |
| 50 mM | 0.1189 mL | 0.5944 mL | 1.1888 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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Shore TL, Lindgren BS. Effect of ethanol and α -pinene on response of ambrosia beetle, *Trypodendron lineatum*, to lineatin-baited funnel and drainpipe traps. *J Chem Ecol.* 1996 Dec;22(12):2187-96. doi: 10.1007/BF02029539. PubMed PMID: 24227296.

Alibés R, de March P, Figueredo M, Font J, Racamonde M, Parella T. Highly efficient and diastereoselective synthesis of (+)-lineatin. *Org Lett.* 2004 Apr 29;6(9):1449-52. PubMed PMID: 15101764.

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