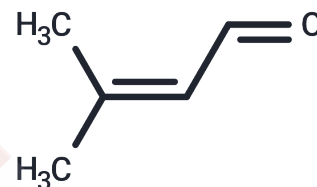


3-Methyl-2-butenal

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 107-86-8 |
| Formula: | C ₅ H ₈ O |
| Molecular Weight: | 84.12 |
| 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 | 3-Methyl-2-butenal (3-Methylbut-2-en-1-al) inhibits <i>Penicillium chrysogenum</i> , <i>Trichophyton mentagrophytes</i> , and <i>Tetrahymena pyriformis</i> , exhibiting antimicrobial activity. |
| Targets(IC50) | Endogenous Metabolite, Antibacterial |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|------------|------------|-------------|
| 1 mM | 11.8878 mL | 59.4389 mL | 118.8778 mL |
| 5 mM | 2.3776 mL | 11.8878 mL | 23.7756 mL |
| 10 mM | 1.1888 mL | 5.9439 mL | 11.8878 mL |
| 50 mM | 0.2378 mL | 1.1888 mL | 2.3776 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

Hartley R D, et al. Identification of volatile, water-soluble compounds from hops (*Humulus Lupulus L.*)[J]. *Phytochemistry*, 1968, 7(8): 1395-1400.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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