

## Undecanal

## Chemical Properties

CAS No. : 112-44-7

Formula: C<sub>11</sub>H<sub>22</sub>O

Molecular Weight: 170.29

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	Undecanal exhibits inhibitory activity against <i>Saccharomyces cerevisiae</i> ATCC, <i>Candida albicans</i> , and fungi, and is widely used in biochemical experiments and drug synthesis research.
Targets(IC50)	Antibacterial, Antifungal

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.8723 mL	29.3617 mL	58.7234 mL
5 mM	1.1745 mL	5.8723 mL	11.7447 mL
10 mM	0.5872 mL	2.9362 mL	5.8723 mL
50 mM	0.1174 mL	0.5872 mL	1.1745 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

Fujita K, Kubo I. Multifunctional action of antifungal polygodial against *Saccharomyces cerevisiae*: involvement of pyrrole formation on cell surface in antifungal action. *Bioorg Med Chem*. 2005 Dec 15;13(24):6742-7.

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