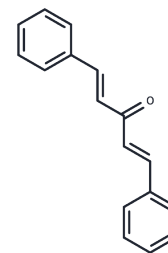


## trans,trans-Dibenzylideneacetone

## Chemical Properties

CAS No. :	35225-79-7
Formula:	C17H14O
Molecular Weight:	234.29
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	Dibenzylideneacetone (DBA) is an antifungal agent that exhibits inhibitory activity against Botrytis cinerea Chitinase with an IC50 of 13.10 µg/mL. It has a minimum inhibitory concentration (MIC) against B. cinerea of 32 µg/mL. The EC50 values for inhibiting mycelial growth and spore germination are 16.29 µg/mL and 14.64 µg/mL, respectively. Dibenzylideneacetone effectively combats grey mold infection in cherry tomatoes by inhibiting chitinase activity.
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.2682 mL	21.3411 mL	42.6821 mL
5 mM	0.8536 mL	4.2682 mL	8.5364 mL
10 mM	0.4268 mL	2.1341 mL	4.2682 mL
50 mM	0.0854 mL	0.4268 mL	0.8536 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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