

## (9E)-Tetradecen-1-ol

## Chemical Properties

CAS No. : 52957-16-1

Formula: C<sub>14</sub>H<sub>28</sub>O

Molecular Weight: 212.37

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	(9E)-Tetradecen-1-ol, secreted from the abdomen of the female Bertha armyworm moth ( <i>Mamestra configurata</i> (Walker)), acts as a pheromone but shows no significant sexual attraction when used alone. It is typically isolated from tip extracts. Concurrently, another pheromone, (Z)-11-hexadecen-1-ol, was isolated. These pheromones, when mixed, effectively attract males, particularly in an optimal ratio of approximately 19:1 (C <sub>16</sub> :C <sub>14</sub> ).
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.7088 mL	23.5438 mL	47.0876 mL
5 mM	0.9418 mL	4.7088 mL	9.4175 mL
10 mM	0.4709 mL	2.3544 mL	4.7088 mL
50 mM	0.0942 mL	0.4709 mL	0.9418 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.

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