

## (Z)-non-6-en-1-ol (cis-6-Nonen-1-ol)

## Chemical Properties

|                   |                                                                                                                                                                                        |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAS No. :         | 35854-86-5                                                                                                                                                                             |
| Formula:          | C <sub>9</sub> H <sub>18</sub> O                                                                                                                                                       |
| Molecular Weight: | 142.242                                                                                                                                                                                |
| Storage:          | Keep away from moisture, Store under nitrogen<br>Pure form: -20°C for 3 years   In solvent: -80°C for 1 year<br><small>Actual storage temperature shall be subject to the COA.</small> |

## Biological Description

|               |                                                                                                                                                |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Description   | (Z)-non-6-en-1-ol (cis-6-Nonen-1-ol) is a volatile substance contained in melons and can be used to detect the freshness of melons and fruits. |
| Targets(IC50) | Others                                                                                                                                         |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 7.0304 mL | 35.1519 mL | 70.3037 mL |
| 5 mM  | 1.4061 mL | 7.0304 mL  | 14.0607 mL |
| 10 mM | 0.703 mL  | 3.5152 mL  | 7.0304 mL  |
| 50 mM | 0.1406 mL | 0.703 mL   | 1.4061 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

Lan YB, et al. Characterization of free and glycosidically bound volatile compounds, fatty acids, and amino acids in *Vitis davidii* Foex grape species native to China. *Food Sci Biotechnol.* 2020 Oct 6;29(12):1641-1653.

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