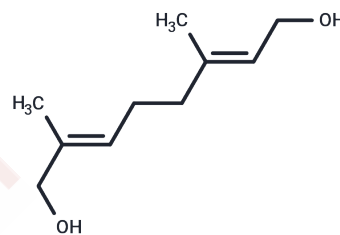


## 8-Hydroxygeraniol

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 26488-97-1  |
| Formula:          | C <sub>10</sub> H <sub>18</sub> O <sub>2</sub>  |
| Molecular Weight: | 170.25  |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br>Actual storage temperature shall be subject to the COA. |



## Biological Description

|               |  |
|---------------|--|
| Description   | 8-Hydroxygeraniol (10-Hydroxygeraniol) is a naturally occurring monoterpene that can be chemically prepared from geranyl acetate and serves as a key biochemical intermediate, functioning as a specific substrate for 8-hydroxygeraniol dehydrogenase, 8-Hydroxygeraniol is widely used in enzymology, terpenoid biosynthesis research, and metabolic pathway studies to elucidate oxidation mechanisms and secondary metabolite formation. |
| Targets(IC50) | Others   |

## Solubility Information

|            |   |
|------------|---|
| Solubility | DMSO: 100 mg/mL (587.37 mM),Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 5.8737 mL | 29.3686 mL | 58.7372 mL |
| 5 mM  | 1.1747 mL | 5.8737 mL  | 11.7474 mL |
| 10 mM | 0.5874 mL | 2.9369 mL  | 5.8737 mL  |
| 50 mM | 0.1175 mL | 0.5874 mL  | 1.1747 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

Ippoliti FM, et al. Synthesis of 8-Hydroxygeraniol. *J Org Chem.* 2018 Sep 21;83(18):11323-11326.

Karel Miettinen, et al. The seco-iridoid pathway from *Catharanthus roseus*. *Nat Commun.* 2014 Apr 7:5:3606.

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