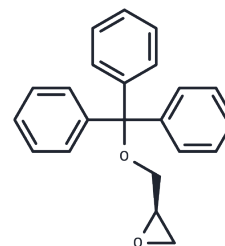


## (R)-(+)-Trityl glycidyl ether

### Chemical Properties

|                   |                                                          |
|-------------------|----------------------------------------------------------|
| CAS No. :         | 65291-30-7                                               |
| Formula:          | C <sub>22</sub> H <sub>20</sub> O <sub>2</sub>           |
| Molecular Weight: | 316.39                                                   |
| Appearance:       | no data available                                        |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year |



### Biological Description

|             |                                                                                                                                                                                             |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description | (R)-(+)-Trityl glycidyl ether is a precursor that has been used in the synthesis of glycerophospholipids, as well as compounds with antiviral and antimalarial activities. <sup>1,2,3</sup> |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Solubility Information

|            |                                                                                                      |
|------------|------------------------------------------------------------------------------------------------------|
| Solubility | DMSO: 1 mg/mL<br>DMF: 10 mg/mL<br>( $< 1$ mg/ml refers to the product slightly soluble or insoluble) |
|------------|------------------------------------------------------------------------------------------------------|

### Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 3.1607 mL | 15.8033 mL | 31.6066 mL |
| 5 mM  | 0.6321 mL | 3.1607 mL  | 6.3213 mL  |
| 10 mM | 0.3161 mL | 1.5803 mL  | 3.1607 mL  |
| 50 mM | 0.0632 mL | 0.3161 mL  | 0.6321 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.

### Reference

Hendrickson, H.S., and Hendrickson, E.K.A facile asymmetric synthesis of glycerol phospholipids via tritylglycidol prepared by the asymmetric epoxidation of allyl alcohol. Thiolester and thioether analogs of

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