

(Rac)- γ -Tocopherol

Chemical Properties

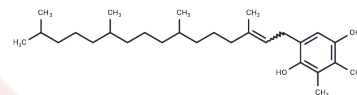
CAS No. : 73980-80-0

Formula: C₂₈H₄₈O₂

Molecular Weight: 416.68

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 | (Rac)- γ -Tocopherol (DMPBQ) is an isoform of Vitamin E that is converted to γ -Tocopherol by tocopherol cyclase. |
| Targets(IC50) | Others,COX |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.3999 mL | 11.9996 mL | 23.9992 mL |
| 5 mM | 0.480 mL | 2.3999 mL | 4.7998 mL |
| 10 mM | 0.240 mL | 1.200 mL | 2.3999 mL |
| 50 mM | 0.048 mL | 0.240 mL | 0.480 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

Maria S Dwiyantri, et al. Genetic variation of γ -tocopherol methyltransferase gene contributes to elevated α -tocopherol content in soybean seeds. BMC Plant Biology 2011, 11:152.

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