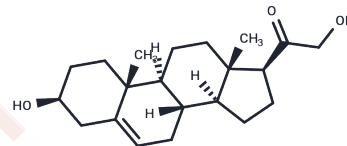


21-Hydroxypregnenolone

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 1164-98-3 |
| Formula: | C ₂₁ H ₃₂ O ₃ |
| Molecular Weight: | 332.48 |
| 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 | 21-Hydroxypregnenolone is a steroidal natural product and endogenous metabolite, serving as a crucial intermediate in corticosterone synthesis. |
| Targets(IC50) | Endogenous Metabolite |

Solubility Information

| | |
|------------|---|
| Solubility | DMSO: ≥ 20 mg/mL, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|-----------|
| 1 mM | 3.0077 mL | 15.0385 mL | 30.077 mL |
| 5 mM | 0.6015 mL | 3.0077 mL | 6.0154 mL |
| 10 mM | 0.3008 mL | 1.5038 mL | 3.0077 mL |
| 50 mM | 0.0602 mL | 0.3008 mL | 0.6015 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

Iudavaev NA, et al. Pathways of corticosteroid biosynthesis in human adrenals (Itsenko-Cushing disease). Biokhimiia. 1976 Sep;41(9):1619-27.

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