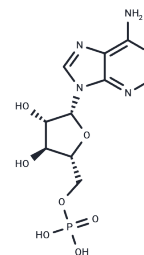


Vidarabine phosphate

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 29984-33-6 |
| Formula: | C ₁₀ H ₁₄ N ₅ O ₇ P |
| Molecular Weight: | 347.22 |
| 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 | Vidarabine phosphate is an adenosine monophosphate analog. It is the monophosphate ester of VIDARABINE. It also has antiviral and possibly antineoplastic properties. |
| Targets(IC50) | Antiviral, Antibiotic, HBV |

Solubility Information

| | |
|---------------------|---|
| Solubility | DMSO: 12 mg/mL (34.56 mM), Sonication is recommended. H ₂ O: 1.61 mg/mL (4.64 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
| In vivo Formulation | 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (2.88 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i> |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.880 mL | 14.4001 mL | 28.8002 mL |
| 5 mM | 0.576 mL | 2.880 mL | 5.760 mL |
| 10 mM | 0.288 mL | 1.440 mL | 2.880 mL |
| 50 mM | 0.0576 mL | 0.288 mL | 0.576 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

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