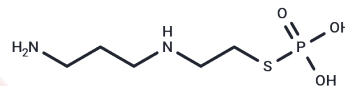


Amifostine

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 20537-88-6 |
| Formula: | C ₅ H ₁₅ N ₂ O ₃ PS |
| Molecular Weight: | 214.22 |
| 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 | Amifostine (Ethyol) anhydrous is a cytoprotective agent, acts as a free radical scavenging activity. |
| Targets(IC50) | HIF/HIF Prolyl-Hydroxylase,MDM-2/p53 |

Solubility Information

| | |
|------------|--|
| Solubility | H ₂ O: 40 mg/mL (186.72 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|-----------|
| 1 mM | 4.6681 mL | 23.3405 mL | 46.681 mL |
| 5 mM | 0.9336 mL | 4.6681 mL | 9.3362 mL |
| 10 mM | 0.4668 mL | 2.334 mL | 4.6681 mL |
| 50 mM | 0.0934 mL | 0.4668 mL | 0.9336 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

Kouvaris JR. Oncologist. 12 (6): 738-47

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