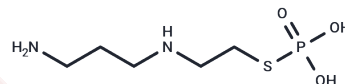


Amifostine

Chemical Properties

CAS No. : 20537-88-6
 Formula: C₅H₁₅N₂O₃PS
 Molecular Weight: 214.22
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Amifostine (Ethyol) anhydrous is a cytoprotective agent, acts as a free radical scavenging activity.
Targets(IC50)	HIF/HIF Prolyl-Hydroxylase

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)
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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.

Reference

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

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