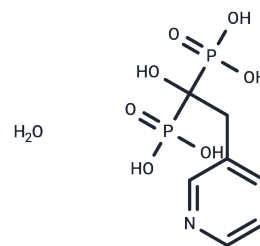


Risedronic Acid

Chemical Properties

CAS No. :	105462-24-6
Formula:	C ₇ H ₁₁ NO ₇ P ₂
Molecular Weight:	283.11
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	Risedronic Acid (Risedronate), a pyridinyl biphosphonate, can inhibit osteoclast-mediated bone resorption.
Targets(IC50)	Apoptosis,Parasite,Transferase

Solubility Information

Solubility	H ₂ O: Insoluble, 0.1 M NaOH: 16.25 mg/mL (57.4 mM),Sonication is recommended. DMSO: <1 mg/mL (insoluble),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	3.5322 mL	17.661 mL	35.322 mL
5 mM	0.7064 mL	3.5322 mL	7.0644 mL
10 mM	0.3532 mL	1.7661 mL	3.5322 mL
50 mM	0.0706 mL	0.3532 mL	0.7064 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

Bergstrom JD, et al. Arch Biochem Biophys. 2000 Jan 1;373(1):231-41.

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