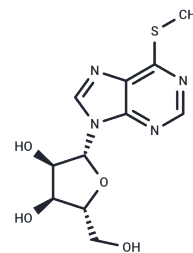


6-Methylmercaptapurine riboside

Chemical Properties

CAS No. :	342-69-8
Formula:	C ₁₁ H ₁₄ N ₄ O ₄ S
Molecular Weight:	298.32
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	6-Methylmercaptapurine riboside is a purine nucleoside analogue applicable to biochemical experiments and drug synthesis studies.
Targets(IC50)	Nucleoside Antimetabolite/Analog,Others

Solubility Information

Solubility	DMSO: 80 mg/mL (268.17 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: 3.3 mg/mL (11.06 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	3.3521 mL	16.7605 mL	33.5211 mL
5 mM	0.6704 mL	3.3521 mL	6.7042 mL
10 mM	0.3352 mL	1.6761 mL	3.3521 mL
50 mM	0.067 mL	0.3352 mL	0.6704 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

Robak T, Robak P. Purine nucleoside analogs in the treatment of rarer chronic lymphoid leukemias. Curr Pharm Des. 2012;18(23):3373-88.

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