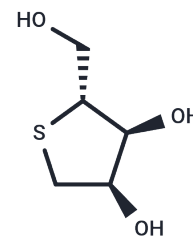


## 1,4-Dideoxy-1,4-epithio-D-ribose

### Chemical Properties

CAS No. :	190315-43-6
Formula:	C <sub>5</sub> H <sub>10</sub> O <sub>3</sub> S
Molecular Weight:	150.2
Storage:	Pure form: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



### Biological Description

Description	1,4-Dideoxy-1,4-epithio-D-ribose is a purine nucleoside analog that targets malignant tumors of the inert lymphatic system and possesses a broad spectrum of antitumor activity. 1,4-Dideoxy-1,4-epithio-D-ribose induces apoptosis through inhibition of DNA synthesis.
Targets(IC50)	Apoptosis, Nucleoside Antimetabolite/Analog, DNA/RNA Synthesis

### Solubility Information

Solubility	DMSO: 50 mg/mL (332.89 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	6.6578 mL	33.2889 mL	66.5779 mL
5 mM	1.3316 mL	6.6578 mL	13.3156 mL
10 mM	0.6658 mL	3.3289 mL	6.6578 mL
50 mM	0.1332 mL	0.6658 mL	1.3316 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, et al. Purine nucleoside analogs in the treatment of rarer chronic lymphoid leukemias. *Curr Pharm Des.* 2012;18(23):3373-3388.

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