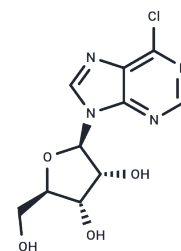


## 6-Chloropurine riboside

## Chemical Properties

CAS No. :	5399-87-1
Formula:	C <sub>10</sub> H <sub>11</sub> ClN <sub>4</sub> O <sub>4</sub>
Molecular Weight:	286.6700
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	6-Chloropurine riboside (6-CPR) is a purine nucleoside analog that has been found to have a wide range of biological activities. It inhibits the growth of tumor cells and induces apoptosis. It has also been shown to have anti-inflammatory, antiviral and antifungal properties. It has also been found to be neuroprotective and has been used in the treatment of neurological disorders.
Targets(IC50)	Nucleoside Antimetabolite/Analog,Others

## Solubility Information

Solubility	DMSO: 27.5 mg/mL (95.93 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	3.4883 mL	17.4417 mL	34.8833 mL
5 mM	0.6977 mL	3.4883 mL	6.9767 mL
10 mM	0.3488 mL	1.7442 mL	3.4883 mL
50 mM	0.0698 mL	0.3488 mL	0.6977 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

XAVIER PARÁS, PERE PUIGDOMÀNECH, Cuchillo C M . REACTION OF BOVINE PANCREATIC RIBONUCLEASE A WITH 6-CHLOROPURINE RIBOSIDE 5â-MONOPHOSPHATE[J]. Febs Journal, 1980, 16(4):241-244.

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