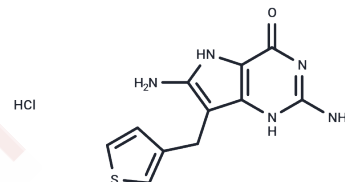


CI 972 anhydrous

## Chemical Properties

CAS No. : 115787-68-3  
 Formula: C<sub>11</sub>H<sub>12</sub>ClN<sub>5</sub>O  
 Molecular Weight: 297.76  
 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	CI 972 anhydrous is an inhibitor of purine nucleoside phosphorylase (PNP) (K <sub>i</sub> : 0.83 μM) used as a T cell-selective immunosuppressive agent.
Targets(IC50)	Nucleoside Antimetabolite/Analog,Others
In vivo	One hour after administration to rats, CI 972 anhydrous (5-150 mg/kg; p.o.) induces dose-dependent elevation of plasma inosine [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3584 mL	16.792 mL	33.5841 mL
5 mM	0.6717 mL	3.3584 mL	6.7168 mL
10 mM	0.3358 mL	1.6792 mL	3.3584 mL
50 mM	0.0672 mL	0.3358 mL	0.6717 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

Gilbertsen RB, et al. Biochemical and pharmacological properties of CI-972, a novel 9-deazaguanine analog purine nucleoside phosphorylase (PNP) inhibitor. *Adv Exp Med Biol.* 1991;309A:41-4.

Gilbertsen RB, et al. Selective in vitro inhibition of human MOLT-4 T lymphoblasts by the novel purine nucleoside phosphorylase inhibitor, CI-972. *Biochem Biophys Res Commun.* 1991 Aug 15;178(3):1351-8.

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