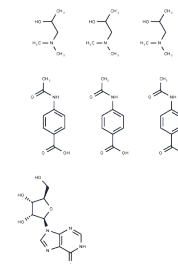


## Inosine pranobex

## Chemical Properties

CAS No. :	36703-88-5
Formula:	C <sub>52</sub> H <sub>78</sub> N <sub>10</sub> O <sub>17</sub>
Molecular Weight:	1115.23
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	Inosine pranobex (Delimmun) has a number of immunomodulatory effects, including inducing T-lymphocyte differentiation, augmenting macrophage and NK cell functions, and stimulating IL-2 production. Through these effects and others, isoprinosine shows antiviral activity and has applications against subacute sclerosing panencephalitis. It also restores depressed immune responses in Y patients after irradiation and reduces the incidence of infection in leukemia patients undergoing chemotherapy. It is most commonly used to treat the rare measles complication subacute sclerosing panencephalitis in conjunction with intrathecal interferon therapy.
Targets(IC50)	HIV Protease,HSV,IL Receptor,Interleukin,Virus Protease

## Solubility Information

Solubility	DMSO: 55 mg/mL (49.32 mM),Sonication is recommended. H <sub>2</sub> O: 50 mg/mL (44.83 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: 2 mg/mL (1.79 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

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	1mg	5mg	10mg
1 mM	0.8967 mL	4.4834 mL	8.9668 mL
5 mM	0.1793 mL	0.8967 mL	1.7934 mL
10 mM	0.0897 mL	0.4483 mL	0.8967 mL
50 mM	0.0179 mL	0.0897 mL	0.1793 mL

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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

Beran J, et al. BMC Infect Dis. 2016; 16: 648.

Anna, et al. Cent Eur J Immunol. 2015; 40(4): 395-399.

Campoli-Richards DM, et al. November 1986, Volume 32, Issue 5: 383-424.

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