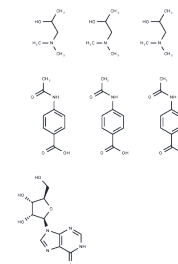


Inosine pranobex

Chemical Properties

| | |
|-------------------|--|
| CAS No. : | 36703-88-5 |
| Formula: | C52H78N10O17 |
| Molecular Weight: | 1115.23 |
| Appearance: | no data available |
| Storage: | Powder: -20°C for 3 years In solvent: -80°C for 1 year |



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,IL Receptor |

Solubility Information

| | |
|------------|--|
| Solubility | DMSO: 55 mg/mL (49.32 mM),Sonication is recommended. H2O: 50 mg/mL (44.83 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

Preparing Stock Solutions

| | 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 |

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.

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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