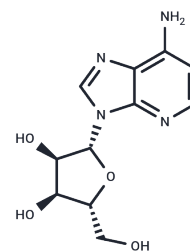


## 1-Dezaadenosine

## Chemical Properties

CAS No. :	14432-09-8
Formula:	C <sub>11</sub> H <sub>14</sub> N <sub>4</sub> O <sub>4</sub>
Molecular Weight:	266.25
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	1-Dezaadenosine, a potent Adenosine deaminase inhibitor (K <sub>i</sub> : 0.66 μM), exhibits anti-cancer activities in vitro and holds potential as a chemotherapy agent for lymphoproliferative disorders.
Targets(IC50)	Others, Adenosine Deaminase
In vitro	1-Dezaadenosine exhibits significant in vitro inhibitory activity against the growth of HeLa, KB, P388, and L1210 leukemia cell lines (ID50s: 0.34 μM (KB) to 1.8 μM (P388)).

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7559 mL	18.7793 mL	37.5587 mL
5 mM	0.7512 mL	3.7559 mL	7.5117 mL
10 mM	0.3756 mL	1.8779 mL	3.7559 mL
50 mM	0.0751 mL	0.3756 mL	0.7512 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

- Cristalli G, et al. Adenosine deaminase inhibitors: Structure-activity relationships in 1-dezaadenosine and erythro-9-(2-hydroxy-3-nonyl)adenine analogues. *Drug Dev. Res.*
- Cristalli G, et al. Improved synthesis and antitumor activity of 1-dezaadenosine. *J Med Chem.* 1987 Sep;30(9):1686-8.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481