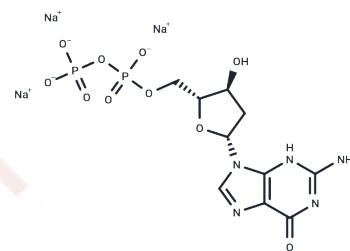


2'-Deoxy-GDP trisodium

Chemical Properties

CAS No. :	102783-74-4
Formula:	C10H12N5Na3O10P2
Molecular Weight:	493.15
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	2'-Deoxy-GDP trisodium is a guanosine monophosphate (GMP) analog that acts as an inhibitor of hypoxanthine phosphoribosyltransferase (HGPRT), with an IC50 of 12.5 μ M. HGPRT is a key enzyme in the purine metabolic pathway of all protozoan parasites.
Targets(IC50)	Nucleoside Antimetabolite/Analog,Parasite

Solubility Information

Solubility	H2O: 40 mg/mL (81.11 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0278 mL	10.1389 mL	20.2778 mL
5 mM	0.4056 mL	2.0278 mL	4.0556 mL
10 mM	0.2028 mL	1.0139 mL	2.0278 mL
50 mM	0.0406 mL	0.2028 mL	0.4056 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

Md Yousuf Ansari, et al. Establishment of correlation between in-silico and in-vitro test analysis against Leishmania HGPRT to inhibitors. Int J Biol Macromol. 2016 Feb;83:78-96.

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