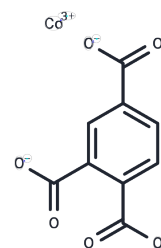


Orotic acid zinc

Chemical Properties

CAS No. :	68399-76-8
Formula:	C ₁₀ H ₆ N ₄ O ₈ Zn
Molecular Weight:	188.79
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	Orotic acid zinc (Zinc Orotate) salt dihydrate is an intermediate product in pyrimidine synthesis.
Targets(IC50)	Nucleoside Antimetabolite/Analog, Endogenous Metabolite

Solubility Information

Solubility	DMSO: 11.82 mg/mL (62.61 mM), when pH is adjusted to 3 with HCl. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.2969 mL	26.4845 mL	52.9689 mL
5 mM	1.0594 mL	5.2969 mL	10.5938 mL
10 mM	0.5297 mL	2.6484 mL	5.2969 mL
50 mM	0.1059 mL	0.5297 mL	1.0594 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

Löffler M, et al. Orotate (orotic acid): An essential and versatile molecule. Nucleosides Nucleotides Nucleic Acids. 2016 Dec;35(10-12):566-577.

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