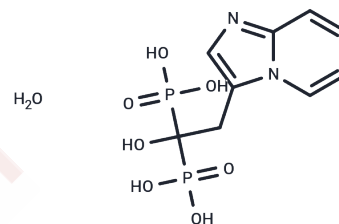


Minodronic acid monohydrate

Chemical Properties

CAS No. :	155648-60-5
Formula:	C ₉ H ₁₄ N ₂ O ₈ P ₂
Molecular Weight:	340.16
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	Minodronic acid monohydrate is a farnesyl diphosphate synthase inhibitor that acts as a bone resorption inhibitor.
Targets(IC50)	Apoptosis,P2X Receptor,Transferase

Solubility Information

Solubility	H ₂ O: Insoluble, DMSO: 3.41 mg/mL (10.02 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9398 mL	14.699 mL	29.3979 mL
5 mM	0.588 mL	2.9398 mL	5.8796 mL
10 mM	0.294 mL	1.4699 mL	2.9398 mL
50 mM	0.0588 mL	0.294 mL	0.588 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

Airoldi A , Bettoni P , Donnola M , et al. Crystal structure of zwitterionic 3-(2-hydroxy-2-phosphonato-2-phosphonoethyl)imidazo[1, 2-a]-pyridin-1-ium monohydrate (minodronic acid monohydrate): A redetermination [J]. Acta Crystallogr E Crystallogr Commun, 2015.

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