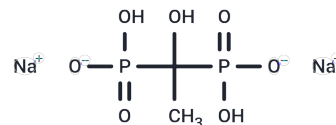


Sodium etidronate

Chemical Properties

CAS No. :	7414-83-7
Formula:	C ₂ H ₆ Na ₂ O ₇ P ₂
Molecular Weight:	249.99
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Sodium etidronate (Didronel) is a synthetic therapeutic diphosphonate analog of endogenous pyrophosphate. As a member of the family of drugs known as bisphosphonates, Sodium etidronate differs from endogenous pyrophosphate in its resistance to enzymatic hydrolysis. This agent adsorbs to hydroxyapatite cells and reduces the number of osteoclasts, thereby inhibiting abnormal bone resorption. Etidronate may also directly stimulate bone formation by osteoblasts.
Targets(IC50)	Phosphatase

Solubility Information

Solubility	DMSO: Slightly soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0002 mL	20.0008 mL	40.0016 mL
5 mM	0.800 mL	4.0002 mL	8.0003 mL
10 mM	0.400 mL	2.0001 mL	4.0002 mL
50 mM	0.080 mL	0.400 mL	0.800 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

Grases F, et al. Circ J. 2007 Jul; 71(7):1152-6.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481