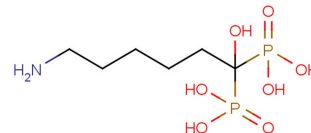


Neridronate

Chemical Properties

CAS No.:	79778-41-9
Formula:	C ₆ H ₁₇ NO ₇ P ₂
Molecular Weight:	277.15
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Neridronate is an aminobisphosphonate, for the treatment of osteogenesis imperfecta (OI) and Paget's disease of bone (PDB).
Targets(IC ₅₀)	Others: None

Solubility Information

Solubility	H ₂ O: 18.75 mg/mL (67.65 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.608 mL	18.041 mL	36.082 mL
5 mM	0.722 mL	3.608 mL	7.216 mL
10 mM	0.361 mL	1.804 mL	3.608 mL
50 mM	0.072 mL	0.361 mL	0.722 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

- Gatti D, et al. Clinical development of neridronate: potential for new applications. *Ther Clin Risk Manag.* 2013;9:139-47.
- Guiducci L, et al. Monthly Intramuscular Neridronate for the Treatment of Postmenopausal Osteoporosis: Results of a 6-Year Prospective Italian Study. *Int J Endocrinol.* 2019 Feb 6;2019:9802827.

Inhibitors · Natural Compounds · Compound Libraries

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