

## Pamidronate disodium pentahydrate

## Chemical Properties

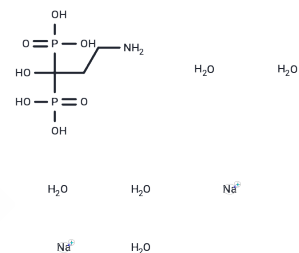
CAS No. : 109552-15-0

Formula: C<sub>3</sub>H<sub>21</sub>NNa<sub>2</sub>O<sub>12</sub>P<sub>2</sub>

Molecular Weight: 371.13

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



## Biological Description

Description	Pamidronate disodium pentahydrate is a bone resorption inhibitor, a compound capable of preventing osteoporosis.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: insoluble, H <sub>2</sub> O: 7.14 mg/mL (19.24 mM), Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6945 mL	13.4724 mL	26.9447 mL
5 mM	0.5389 mL	2.6945 mL	5.3889 mL
10 mM	0.2694 mL	1.3472 mL	2.6945 mL
50 mM	0.0539 mL	0.2694 mL	0.5389 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

Kubalek I, et al. Treatment of reflex sympathetic dystrophy with pamidronate: 29 cases. Rheumatology (Oxford). 2001 Dec;40(12):1394-7.

Zarychanski R, et al. Osteonecrosis of the jaw associated with pamidronate therapy. Am J Hematol. 2006 Jan;81(1): 73-5.

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