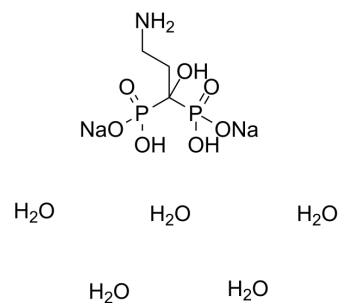


Pamidronate disodium pentahydrate

Cat. No.:	HY-B0730
CAS No.:	109552-15-0
Molecular Formula:	C ₃ H ₁₉ NNa ₂ O ₁₂ P ₂
Molecular Weight:	369.11
Target:	Others
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 7.14 mg/mL (19.34 mM; Need ultrasonic)
 DMSO : 1 mg/mL (2.71 mM; ultrasonic and warming and heat to 80°C)

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		Concentration	1 mg	5 mg	10 mg
	1 mM		2.7092 mL	13.5461 mL	27.0922 mL
	5 mM		0.5418 mL	2.7092 mL	5.4184 mL
	10 mM		0.2709 mL	1.3546 mL	2.7092 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Pamidronate disodium pentahydrate is a nitrogen-containing bisphosphonate, used to prevent osteoporosis.

REFERENCES

- [1]. Kubalek I, et al. Treatment of reflex sympathetic dystrophy with pamidronate: 29 cases. *Rheumatology (Oxford)*. 2001 Dec;40(12):1394-7.
- [2]. Zarychanski R, et al. Osteonecrosis of the jaw associated with pamidronate therapy. *Am J Hematol*. 2006 Jan;81(1):73-5.

Caution: Product has not been fully validated for medical applications. For research use only.

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