
Product Data Sheet

Product Name: Pamidronate Disodium

Cat. No.: GC11779

Chemical Properties

Cas. No. 57248-88-1

Chemical Name disodium;[3-amino-1-hydroxy-1-[hydroxy(oxido)phosphoryl]propyl]-hydroxyphosphinate

SMILES C(CN)C(O)(P(=O)(O)[O-])P(=O)(O)[O-].[Na+].[Na+]Formula $C_3H_{19}NNa_2O_{12}P_2$ M.Wt 279.03Solubility $\geq 13.95\text{mg/mL}$ in Water Storage Store at -20°C General tips For obtaining a higher solubility, please warm the tube at 37°C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure **Background**

Pamidronate disodium, a bisphosphonate drug, can help to strengthen bones. Target: Others Pamidronate belongs to the family of medications known as bisphosphonates. It is used to treat hypercalcemia (high blood calcium) by people who have cancer. Pamidronate is also used to treat cancer that has spread to bones (bone metastases) due to different types of tumours and multiple myeloma (cancer of the bone marrow). Pamidronate is also used to treat the symptoms of Paget's disease of bone.

References:

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

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

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