

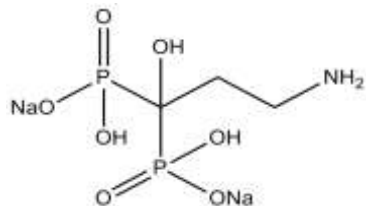
Pamidronate disodium

ALTERNATE NAME: 3-Amino-1-hydroxypropane-1,1-diyl)bis(phosphonic acid, disodium salt

CATALOG #: 1884-50, 250

AMOUNT: 50 mg, 250 mg

STRUCTURE:



MOLECULAR FORMULA: C₃H₉NO₇P₂Na₂

MOLECULAR WEIGHT: 279.03

CAS NUMBER: 57248-88-1

APPEARANCE: White solid

SOLUBILITY: H₂O (~25 mg/ml)

PURITY: ≥98%

STORAGE: Store at -20 °C

DESCRIPTION: A bisphosphonate compound that inhibits bone resorption, the natural, ongoing process of bone being destroyed by *osteoclasts*. Also inhibits farnesyl diphosphate synthase (IC₅₀ = 200 nM).

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS:

- 2-APB (Cat. No. 1798-100)
- Calcitriol (Cat. No. 1880-50, 250)
- Thapsigargin (Cat. No. 1558-1)