>>**Entry Name: 3-Amino-1-hydroxy-1,1-propanediphosphonic acid**
Synonym(s): (3-Amino-1-hydroxypropylidene)bis[phosphonic acid], 9CI. **Pamidronic acid,** BAN, INN**.** Aminomux. Aredia. CGP 23339. APD

CAS Registry Number: 40391-99-9

$H_2NCH_2CH_2C(OH)[P(O)(OH)_2]_2$

Molecular Formula: $C_3H_{11}NO_7P_2$
Molecular Weight: 235.07
Accurate Mass: 235.001078
Percentage Composition: C 15.33%; H 4.72%; N 5.96%; O 47.64%; P 26.35%
Biological Use/Importance: Calcium regulating agent. Suppresses bone resorption. Used in treatment of Paget's disease and malignant hypercalcaemia
Development Status: Marketed drug. Launched 1989. Worldwide 75th best selling prescription drug (as di-Na salt) ($0.66 bn) (Novartis) (2000, Pharma Business)
Melting Point: Mp 237-238°
Hazard & Toxicity: Exp. nephrotoxic effects

>>**Derivative:** Di-Na salt
Synonym(s): Pamidronate disodium, USAN

CAS Registry Number: 57248-88-1
Physical Description: Solid + $5H_2O$
Hazard & Toxicity: Exp. fetotoxic and other reprod. effects

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