



>>Entry Name: Neridronic acid, INN

Synonym(s): (6-Amino-1-hydroxyhexylidene)bisphosphonic acid, 9Cl. 6-Amino-1-hydroxy-1,1-hexanediphosphonic acid

CAS Registry Number: 79778-41-9

$\text{H}_2\text{NCH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{C}(\text{OH})[\text{P}(\text{O})(\text{OH})_2]_2$

Molecular Formula: $\text{C}_6\text{H}_{17}\text{NO}_7\text{P}_2$

Molecular Weight: 277.15

Accurate Mass: 277.048028

Percentage Composition: C 26.00%; H 6.18%; N 5.05%; O 40.41%; P 22.35%

Use/Importance: Calcium regulator. Bone absorption-inhibiting agent

References:

U.S. Pat., 1981, 4 304 734; *CA*, **96**, 69215y, (*synth*)

Rizzoli, R. *et al.*, *Calcif. Tissue Int.*, 1987, **41**, 202, (*pharmacol*)

Coiro, V.M. *et al.*, *Acta Cryst. C*, 1989, **45**, 446, (*cryst struct*)

Sietsema, W.K. *et al.*, *Drugs Exp. Clin. Res.*, 1989, **15**, 389, (*pharmacol*)