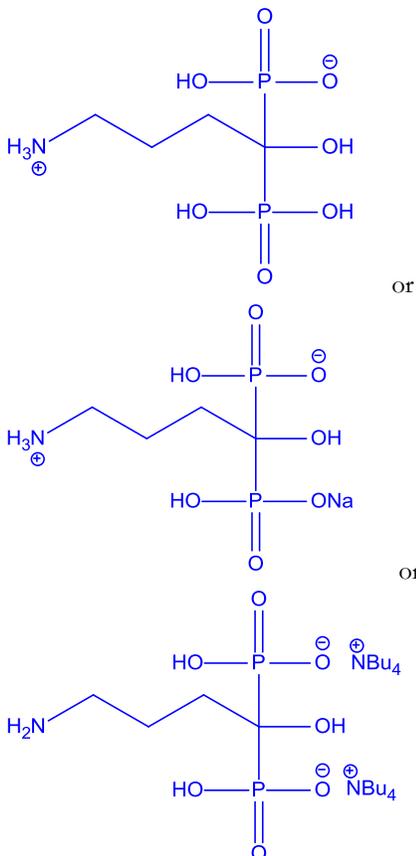


Sample Name:

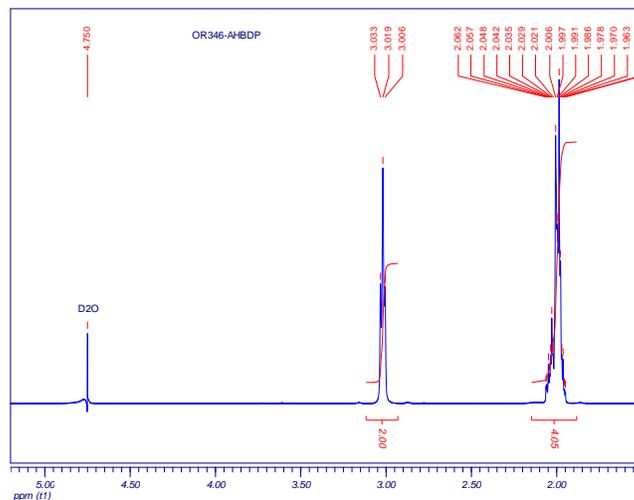
4-Amino-1-hydroxyprobutylidene) bisphosphonic acid or its salts

Sample #: Alendronic acid (OR346)

Structure:



NMR of Sample:



Composition:

CAS#	Purity
66376-36-1	99%

Synthesis Procedure:

The product was prepared from 4-amino butyric acid and purified by double recrystallization from water.

Characterization:

The proton NMR was recorded in heated deuterium oxide.

Solubility:

Alendronic acid is hardly soluble in cold water, and insoluble in ethanol. Its mono-sodium salt has a little bit higher solubility in water, but precipitated in ethanol. The di(tetrabutyl ammonium) salt is soluble in water and has remarkable improved solubility in organic solvents, as ethanol, acetonitrile and DMSO etc.