

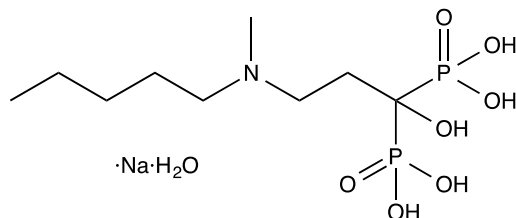
Catalog # 10-4630

Ibandronate

CAS# 138926-19-9

(1-Hydroxy-3-(methylpentylamino)propylidene)bisphosphonic acid sodium monohydrate

Lot # FBS1020



Ibandronate is a clinically useful drug for the prevention and treatment of osteoporosis and skeletal fractures in patients with cancer. It is a potent inhibitor of farnesyl pyrophosphate synthase ($IC_{50} = 20$ nM) and strongly binds to hydroxyapatite.¹

1) Russell (2006), *Ibandronate: Pharmacology and preclinical studies*; Bone **38** S7

PHYSICAL DATA

Molecular Weight:	359.23
Molecular Formula:	$C_9H_{22}NO_7P_2 \cdot Na \cdot H_2O$
Purity:	>98%
	NMR: (Conforms)
Solubility:	Water (>25 mg/mL)
Physical Description:	White solid
Storage and Stability:	Store as supplied at -20°C for up to 1 year from the date of purchase. Solutions in water may be stored at -20°C for up to 3 months.

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Focus Biomolecules LLC 400 Davis Drive, Suite 600 Plymouth Meeting PA 19462

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