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Product Datasheet

Zoledronic acid FBM-10-4512

Article Name	Zoledronic acid
Biozol Catalog Number	FBM-10-4512
Supplier Catalog Number	10-4512
Alternative Catalog Number	FBM-10-4512-25MG,FBM-10-4512-100MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Antiproliferative and apoptotic effects...
Molecular Weight	272.09
Purity	98% by HPLC
Form	White or off-white solid
CAS Number	[118072-93-8]
Formula	C ₅ H ₁₀ N ₂ O ₇ P ₂
Application Notes	Potent inhibitor of bone resorption (IC ₅₀ = 2 nM in mouse calvarial cultures). ¹ The mechanism of its action is thought to be via inhibition of osteoclastic activity, induction of osteoclast apoptosis and blockage of osteoclastic resorption of mineralized bone and cartilage through its binding to bone. Clinically useful drug for treatment of osteoporosis ² , hypercalcemia of malignancy(HCM), multiple myeloma and bone metastases from solid tumors ³ . It has also been investigated as an antitumor agent and showing efficacy as an adjuvant therapy in several cancers. ^{4,5}