

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

Product Datasheet

Clodronate 2Na, CAS [[88416-50-6]] FBM-10-4631

Article Name	Clodronate 2Na, CAS [[88416-50-6]]
Biozol Catalog Number	FBM-10-4631
Supplier Catalog Number	10-4631
Alternative Catalog Number	FBM-10-4631-10MG,FBM-10-4631-50MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Induces osteoclast apoptosis...
Molecular Weight	360.92
Purity	98%, NMR (Conforms)
Form	White solid
CAS Number	[88416-50-6]
Formula	CH ₂ Cl ₂ O ₆ P ₂ Na ₄ H ₂ O
Application Notes	Clodronate is a first generation non-nitrogenous bisphosphonate drug for the prevention and treatment of osteoporosis and skeletal fractures/hypercalcemia in patients with cancer. It strongly binds to hydroxyapatite and directly reduces osteoclast activity. ¹ Clodronate is metabolized in vitro to a cytotoxic ATP analog (AppCCI ₂ p) which inhibits ADP/ATP translocase in the mitochondrial inner membrane leading to osteoclast apoptosis. ²