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Product Datasheet

Clodronate 2Na FBM-10-4631

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| Article Name | Clodronate 2Na |
| 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 |