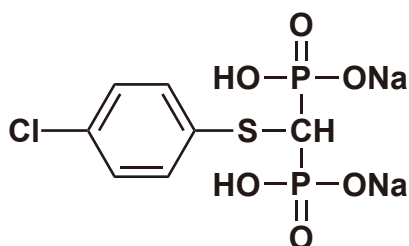


# Bone Metabolism Research Reagents

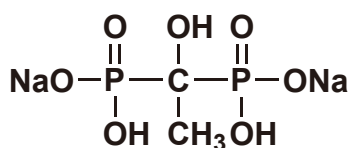
## Bisphosphonates (Bone Resorption Inhibitors)

### Non-nitrogen-containing Bisphosphonates

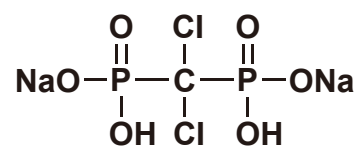
Non-nitrogen-containing bisphosphonates can be metabolized to methylene-containing analogues of ATP (AppCp) and the analogues can cause apoptosis.



**Tiludronic Acid Disodium Salt**  
(>98.0%)  
25mg  
[D4167]



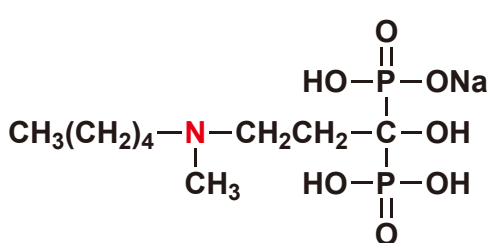
**Etidronic Acid Disodium Salt Hydrate**  
(>98.0%)  
5g / 25g  
[D4159]



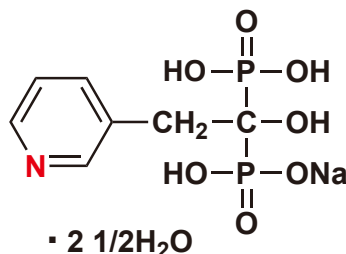
**Clodronic Acid Disodium Salt Tetrahydrate**  
(>98.0%)  
1g / 5g  
[D4160]

### Nitrogen-containing Bisphosphates

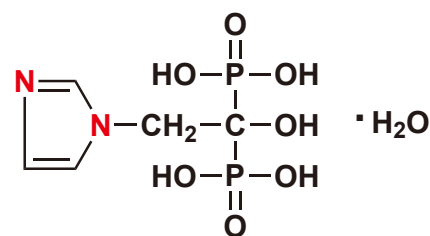
Nitrogen-containing bisphosphates can inhibit farnesyl pyrophosphate synthase in the mevalonate biosynthetic pathway.



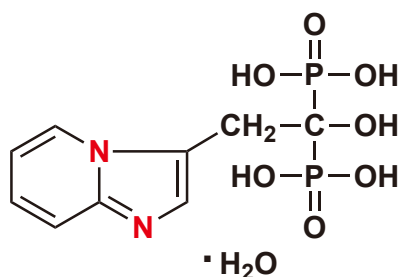
**Ibandronic Acid Sodium Salt**  
(>90.0%)  
1g / 5g  
[S0877]



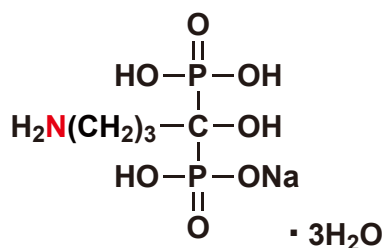
**Risedronic Acid Monosodium Salt Hemipentahydrate**  
(>98.0%)  
100mg / 1g  
[M2289]



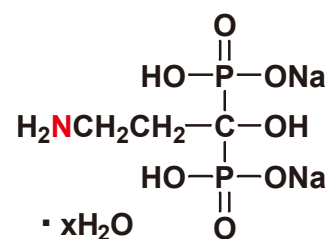
**Zoledronic Acid Monohydrate**  
1g / 5g  
[Z0031]



**Minodronic Acid Monohydrate**  
(>98.0%)  
25mg  
[M2360]



**Alendronic Acid Monosodium Salt Trihydrate**  
(>97.0%)  
5g / 25g  
[A2456]



**Pamidronic Acid Disodium Salt Hydrate**  
(>97.0%)  
100mg / 1g  
[D3921]

## Dual Action Bone Agent (DABA)

Ranelic Acid Strontium Salt (>97.0%) 1g [S0938]

## Vitamins

Alfacalcidol (=1 $\alpha$ -Hydroxyvitamin D<sub>3</sub>) (>95.0%) 10mg / 50mg [A3125]

Calciferol (=Vitamin D<sub>2</sub>) (>98.0%) 1g / 5g [C0005]

Calcitriol (=1 $\alpha$ ,25-Dihydroxyvitamin D<sub>3</sub>) (>97.0%) 1mg [C3078]

Cholecalciferol (=Vitamin D<sub>3</sub>) (>98.0%) 1g / 5g [C0314]

Ergosterol (=Provitamin D<sub>2</sub>) (>95.0%) 5g / 25g [E0018]

## Estrogens

Estrone (>98.0%) 1g / 5g [E0026]

$\beta$ -Estradiol (>97.0%) 1g / 5g / 25g [E0025]

$\beta$ -Estradiol 17-Valerate (>98.0%) 1g / 5g [E0876]

Estriol (>98.0%) 100mg / 1g [E0218]

Nandrolone (>97.0%) 100mg [N0777]

## Selective Estrogen Receptor Modulators (SERM)

Lasofloxifene Tartrate (>98.0%) 10mg / 50mg [L0336]

Ospemifene (>98.0%) 100mg / 1g [O0441]

Raloxifene Hydrochloride (>98.0%) 1g / 5g [R0109]

Tamoxifen Citrate (>98.0%) 1g / 5g [T2510]

Toremifene Citrate (>98.0%) 1g / 5g [T2832]

## Flavonoids

Ipriflavone (>98.0%) 5g / 25g [I0669]

Hesperidin (>90.0%) 25g / 100g / 500g [H0049]

## Glucocorticoids

Cortisone (>97.0%) 1g / 10g [C1317]

Dexamethasone (>99.0%) 1g [D1961]

Prednisone (>96.0%) 5g / 25g [P1276]

Prednisolone (>98.0%) 1g / 5g / 25g [P0637]

Prednisolone Acetate (>95.0%) 5g [P1283]

Prednisolone 21-Phosphate Disodium Salt (>98.0%) 5g [D3918]

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bone metabolism



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