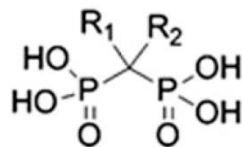


Supplementary material

Supplementary Figure 1. Biphosphonate core and different side chains¹⁰



R ₁	R ₂	
HO-	H ₃ C-	etidronate
HO-	H ₂ N-CH ₂ -CH ₂ -	pamidronate
HO-	H ₂ N-CH ₂ -CH ₂ -CH ₂ -CH ₂ -	alendronate
HO-	CH ₂ -CH ₂ -CH ₂ -CH ₂ -CH ₂ -N(CH ₃)-CH ₂ -CH ₂ -	ibandronate
HO-	Imidazole ring-CH ₂ -	zoledronate
HO-	Pyridine ring-CH ₂ -	risendronate
Cl-	Cl-	clodronate
H-	Cl-C ₆ H ₄ -S-	tiludronate