

Abstract of the invention

PTH compounds having PTH-like activity and comprising at least one modification, said modification being either

1. at least one radical selected from a L- or D- α -amino acid, C₂₋₆alcoxycarbonyl and optionally substituted C₁₋₈alkyl, C₂₋₈alkenyl, C₂₋₈alkynyl, aralkyl, aralkenyl or C₃₋₆cycloalkyl-C₁₋₄alkyl and attached to the terminal amino group of the PTH compound, and/or at least one radical selected from C₂₋₆alcoxycarbonyl and optionally substituted C₁₋₈alkyl, C₂₋₈alkenyl, C₂₋₈alkynyl, aralkyl, aralkenyl or C₃₋₆cycloalkyl-C₁₋₄alkyl and attached to one or more side chain amino groups of the PTH compound,

or

2. at least one α -amino acid unit in the positions 1 to 38 of a naturally occurring PTH sequence being replaced by a natural or unnatural amino acid unit optionally in protected form, whereby the α -amino acid units present in positions 1 and 2 at the amino terminus of the PTH sequence may be replaced by a pseudo-peptide,

or a combination of such modifications,

in free form or in salt form, have pharmacological activity, e.g. for preventing or treating all bone conditions which are associated with increased calcium depletion or resorption or in which calcium fixation in the bone is desirable.