

Publication

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Application

**EP 91913697 A 19910715**

Priority

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Abstract (en)

[origin: WO9200753A1] The present invention relates polypeptide analogs which have agonist or antagonist or tissue selection properties relative to parathyroid hormone (PTH), parathyroid hormone-like protein (PLP) or parathyroid-related protein (PTHrP). The serine amino acid at position 3, the glutamine amino acid at position 6, the histidine amino acid at position 9 or combinations thereof are substituted by other natural or synthetic amino acids. Preferably, a human PTH fragment of about 34 amino acids is sufficient for pharmacological activity. These polypeptides are useful as agonists or antagonists in the treatment of a human being for disease conditions of cancer, osteoporosis, hypercalcemia, or hyperparathyroid disease conditions. The invention also concerns a method of performing certain assays using the modified peptides, and based on the results of the assays falling within preset limits, selecting those modified peptides which shall be useful in the treatment of disease conditions.

IPC 1-7

**C07K 3/04**

IPC 8 full level

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