GROWTH HORMONE RELEASING PEPTIDES

ABSTRACT

Disclosed are peptide and peptidomimetic compounds generally according to formula (I), and pharmaceutically acceptable salts thereof, that are useful as GHRP analogs:

$$R^1\text{-}A^1\text{-}A^2\text{-}A^3\text{-}A^4\text{-}A^5\text{-}R^2$$
(I)

or a pharmaceutically acceptable salt thereof, wherein:

A^1 is Aib, Apc or Inp;

A^2 is D-Bal, D-Bip, D-Bpa, D-Dip, D-1Nal, D-2Nal, D-Ser(Bzl), or D-Trp;

A^3 is D-Bal, D-Bip, D-Bpa, D-Dip, D-1Nal, D-2Nal, D-Ser(Bzl), or D-Trp;

A^4 is 2Fua, Orn, 2Pal, 3Pal, 4Pal, Pff, Phe, Pim, Taz, 2Thi, 3Thi, Thr(Bzl);

A^5 is Apc, Dab, Dap, Lys, Orn, or deleted;

R^1 is hydrogen, (C1-6)alkyl, (C5-14)aryl, (C1-6)alkyl(C5-14)aryl, (C3-8)cycloakyl, or (C2-10)acyl; and

R^2 is OH or NH_2;

and pharmaceutical compositions and methods of use thereof.