

ABSTRACT

[Problem] To provide a novel compound having TrkB-binding activity. [Solution] A peptide complex having TrkB-binding activity comprises a first peptide having an amino acid sequence represented by X^1 - X^2 - X^3 - X^4 -3Py-W- X^5 - X^6 - X^7 - X^8 - X^9 - X^{10} -V- X^{11} -C (SEQ ID NO: 1), or an amino acid sequence in which 1 to 4 amino acids have been substituted, deleted, added or inserted, wherein: X^1 and X^{10} are amino acids having an aromatic ring in the side chain thereof; X^2 , X^9 , and X^{11} are any amino acids; X^3 and X^5 are secondary amino acids; X^4 and X^7 are amino acids having an aromatic ring which may be substituted in the side chain thereof; and X^6 and X^8 are amino acids having a chain alkyl group in the side chain thereof.