ABSTRACT

The present invention provides a process for producing a peptide thioester compound, characterized by comprising: (A) forming a peptide by a solid-phase synthesis method using a resin modified with a linker represented by the formula (1) as a solid phase; (B) cleaving a bond between the solid phase and the peptide with at least one acid selected from dilute hydrochloric acid, dilute sulfuric acid, formic acid, and acetic acid to produce a peptide having a carboxyl group at the C-terminus; and (C) reacting a thiol compound with the peptide at -100 to 0°C in the presence of a condensing agent in a solvent: (1) wherein R^1 represents C_{1-4} alkyl group, R^2 represents hydrogen atom or C_{1-4} alkoxy group, and n represents an integer of 1 to 4.

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