Title (en)

IMPROVEMENTS IN SOLID PHASE PEPTIDE SYNTHESIS

Title (de)

VERBESSERUNGEN AN FESTPHASENPEPTIDSYNTHESE

Title (fr)

AMÉLIORATIONS DANS LA SYNTHÈSE PEPTIDIQUE EN PHASE SOLIDE

Publication

EP 3365352 A4 20190605 (EN)

Application

EP 16858322 A 20161021

Priority

- US 201562245484 P 20151023
- US 2016058181 W 20161021

Abstract (en)

[origin: CN108368152A] An improved method of deprotection in solid phase peptide synthesis is disclosed. In particular, the deprotecting composition is added in high concentration and small volume to the mixture of the coupling solution, the growing peptide chain, and any excess activated acid from the preceding coupling cycle, and without any draining step between the coupling step of the previous cycle and the addition of the deprotection composition for the successive cycle. Thereafter, the ambient pressure in the vessel is reduced with a vacuum pull to remove the deprotecting composition without any draining step and without otherwise adversely affecting the remaining materials in the vessel or causing problems in subsequent steps in the SPPS cycle.

IPC 8 full level

C07K 1/04 (2006.01); **C07K 1/06** (2006.01)

CPC (source: EP)

C07K 1/04 (2013.01); **C07K 1/045** (2013.01)

Citation (search report)

- [A] US 2014275481 A1 20140918 - SIMON MARK DAVID [US], et al
- [IA] JONATHAN M. COLLINS ET AL: "High-Efficiency Solid Phase Peptide Synthesis (HE -SPPS)", ORGANIC LETTERS, vol. 16, no. 3, 7 February 2014 (2014-02-07), US, pages 940 - 943, XP055274270, ISSN: 1523-7060, DOI: 10.1021/ol4036825
- See references of WO 2017070512A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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CN 201680062118 A 20161021; EP 16858322 A 20161021