Title (en)

METHOD OF REMOVING THE TRIPHENYLMETHANE PROTECTION GROUP

Title (de)

VERFAHREN ZUM ENTFERNEN DER TRIPHENYLMETHANSCHUTZGRUPPE

Title (fr)

PROCÉDÉ D'ÉLIMINATION DU GROUPE PROTECTEUR TRIPHÉNYLMÉTHANE

Publication

EP 2365966 A4 20120509 (EN)

Application

EP 08878772 A 20081212

Priority

KR 2008007364 W 20081212

Abstract (en)

[origin: WO2010067913A1] The present invention relates to a method of removing triphenylmethane protection group. The method for preparing biphenyl benzoic acid derivatives of the present invention is economically advantageous and very excellent in the aspect of improving process in that: process safety is secured by using acidic ion exchange resin in the presence of organic solvent instead of using highly corrosive acid; the reaction takes much less time than do the conventional reactions which use only anhydrous methanol and few sub-reaction does occur; and the ion-exchange resin of the present invention is excellent for mass-processing because the resin can be collected and recycled only by filtration after being used.

IPC 8 full level

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CPC (source: EP)

C07D 257/04 (2013.01); **C07D 403/10** (2013.01); **C07D 405/04** (2013.01); **C07D 405/14** (2013.01)

Citation (search report)

- [A] WO 2006097121 A1 20060921 - ULKAR KIMYA SANAYII VE TICARET [TR], et al
- [A] EP 1988090 A1 20081105 - SHANGHAI ALLIST PHARMACEUTICAL [CN]
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Citation (examination)

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- KHALAFI-NEZHAD ET AL: "A catalytic method for chemoselective detritylation of 5'-tritylated nucleosides under mild and heterogeneous conditions using silica sulfuric acid as a recyclable catalyst", TETRAHEDRON LETTERS, ELSEVIER, AMSTERDAM, NL, vol. 48, no. 30, 27 June 2007 (2007-06-27), pages 5219 - 5222, XP022132312, ISSN: 0040-4039, DOI: 10.1016/J.TETLET.2007.05.153

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