

Title (en)  
IMPROVED SYNTHETON SYNTHESIS

Title (de)  
VERBESSERTE SYNTHETONSYNTHESE

Title (fr)  
SYNTHESE DE SYNTHETON AMELIORE

Publication  
**EP 1551796 A1 20050713 (EN)**

Application  
**EP 03754994 A 20030930**

Priority  
• US 0330869 W 20030930  
• US 41567202 P 20021003

Abstract (en)  
[origin: WO2004031131A1] The present disclosure relates to an improved synthesis of the commercially important syntheton ECHB starting from the readily available 3-hydroxy-gamma-butyrolactone. The reaction employs a single pot procedure without isolation or purification of the intermediates. It has the advantage over procedures previously employed in the art of using reagents and conditions which minimize undesired side reactions and which can be readily employed at commercial scale. The product is produced in high yield and is readily purified to provide an excellent intermediate for further synthesis of commercially important products such as L-carnitine and the pharmaceutically important active substances used in HMG-coA reductase inhibitor products such as Lipitorè.

IPC 1-7  
**C07C 243/28**

IPC 8 full level  
**C07C 243/28** (2006.01); **C07C 67/03** (2006.01); **C07C 67/307** (2006.01); **C07C 69/675** (2006.01); **C07C 253/14** (2006.01); **C07C 253/16** (2006.01); **C07C 255/20** (2006.01)

CPC (source: EP KR)  
**C07C 67/307** (2013.01 - EP KR); **C07C 253/14** (2013.01 - EP KR); **C07C 253/16** (2013.01 - EP KR)

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2004031131 A1 20040415**; AU 2003272793 A1 20040423; CA 2500668 A1 20040415; CN 1688539 A 20051026; EP 1551796 A1 20050713; EP 1551796 A4 20070314; JP 2006502201 A 20060119; KR 20050105164 A 20051103

DOCDB simple family (application)  
**US 0330869 W 20030930**; AU 2003272793 A 20030930; CA 2500668 A 20030930; CN 03823536 A 20030930; EP 03754994 A 20030930; JP 2004541917 A 20030930; KR 20057005830 A 20050404