

Title (en)  
METHOD FOR PREPARING METHIONINE ANALOGUES

Title (de)  
VERFAHREN ZUR HERSTELLUNG VON METHIONINANALOGA

Title (fr)  
PROCÉDÉ DE PRÉPARATION D'ANALOGUES DE LA MÉTHIONINE

Publication  
**EP 3405452 A1 20181128 (FR)**

Application  
**EP 17706536 A 20170117**

Priority  
• FR 1650366 A 20160118  
• FR 2017050096 W 20170117

Abstract (en)  
[origin: WO2017125673A1] The invention relates to a method for preparing a compound (I) or one of the salts thereof, and the uses of said method, R1OOC-C(=X)-CHR2 R3 (I), wherein X is selected among O; N-R', wherein R' is H or a C1-C6 alkyl; and N-OR'' wherein R'' is H, or a C1-C6 alkyl or an alkylaryl; R1 is H or a C1-C6 alkyl group; R2 is H, a C1-C6 alkyl, or an alkylaryl; and R3 is CH2 SR4 or CH2 SeR4, where R4 is H or a C1-C6 alkyl from a compound (II), or one of the salts thereof, R1 OOC-C(=X)-CHR2 R5 and R5 is H or COOR6, where R6 is H or a C1-C6 alkyl, said method being carried out in the presence of a compound (III) CH2 (Y)(Z). Wherein Y is H; OR7, where R7 is H, a C1-C6 alkyl or an acyl with formula CO-R4; SR4 or SeR4 where R4 matches the preceding definition; or 1 NR8 R9, where R8 and R9, identical or different, each or together are a C1-C6 alkyl, or an alkylaryl; Z, identical or different to Y, is OR10 where R10 is H, a C1-C6 alkyl or CO-R4; a cyclic or acyclic N(COR4)(COR4) group; or NR11 R12, where R11 and R12, identical or different, each or together are a C1-C6 alkyl or an alkylaryl; wherein Y and Z together are =O; said method involving an intermediate product (IV) R1OOC-C(=X)-CHR2-CH2Z.

IPC 8 full level  
**C07C 229/22** (2006.01); **C07C 59/185** (2006.01); **C07C 319/14** (2006.01); **C07C 319/20** (2006.01); **C07C 323/52** (2006.01); **C07D 295/15** (2006.01)

CPC (source: EP KR RU US)  
**C07C 59/185** (2013.01 - RU); **C07C 229/22** (2013.01 - EP RU); **C07C 319/14** (2013.01 - EP KR RU); **C07C 319/20** (2013.01 - RU); **C07C 321/04** (2013.01 - US); **C07C 323/52** (2013.01 - EP KR RU); **C07D 211/06** (2013.01 - US); **C07D 295/027** (2013.01 - EP KR); **C07D 295/15** (2013.01 - EP KR RU); **C07F 1/04** (2013.01 - US)

Citation (search report)  
See references of WO 2017125673A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**FR 3046791 A1 20170721**; **FR 3046791 B1 20200110**; AR 107581 A1 20180516; BR 112018014391 A2 20181211; CN 108779064 A 20181109; EP 3405452 A1 20181128; JP 2019503380 A 20190207; KR 20180101481 A 20180912; RU 2018126611 A 20200220; RU 2018126611 A3 20200228; RU 2736212 C2 20201112; SG 11201806119V A 20180830; TW 201726613 A 20170801; US 2020283387 A1 20200910; WO 2017125673 A1 20170727

DOCDB simple family (application)  
**FR 1650366 A 20160118**; AR P170100122 A 20170117; BR 112018014391 A 20170117; CN 201780007108 A 20170117; EP 17706536 A 20170117; FR 2017050096 W 20170117; JP 2018537471 A 20170117; KR 20187022821 A 20170117; RU 2018126611 A 20170117; SG 11201806119V A 20170117; TW 106101513 A 20170117; US 201716070762 A 20170117