

Title (en)

METHOD FOR PRODUCING MONOETHYLENICALLY UNSATURATED GLYCOSYLAMINES

Title (de)

VERFAHREN ZUR HERSTELLUNG VON MONOETHYLENISCH UNGESÄTTIGTEN GLYKOSYLAMINEN

Title (fr)

PROCÉDÉ DE PRÉPARATION DE GLYCOSYLAMINES À INSATURATION MONOÉTHYLÉNIQUE

Publication

EP 2419435 A2 20120222 (DE)

Application

EP 10715142 A 20100330

Priority

- EP 2010054211 W 20100330
- EP 09157961 A 20090415
- EP 10715142 A 20100330

Abstract (en)

[origin: WO2010118951A2] The invention relates to a method for producing monoethylenically unsaturated glycosylamines, in which an aldehyde sugar is reacted with a primary aliphatic amine or ammonia in an aqueous medium and with the anhydride of a simple unsaturated carboxylic acid, without intermediate isolation, or aldehyde sugar is reacted directly with allylamine. The invention also relates to a method for producing polymers containing polymerised N-acylated glycosylamine groups, and to novel unsaturated N-maleinylated glycosylamine.

IPC 8 full level

C07H 5/06 (2006.01); **C07H 13/00** (2006.01); **C07H 15/12** (2006.01)

CPC (source: EP US)

C07H 5/06 (2013.01 - EP US); **C07H 13/00** (2013.01 - EP US); **C07H 15/12** (2013.01 - EP US)

Citation (search report)

See references of WO 2010118951A2

Citation (examination)

- WO 03093286 A1 20031113 - ALCHEMIA PTY LTD [AU], et al
- CZIFRAK K ET AL: "Synthesis of N-(beta-d-glucopyranosyl) monoamides of dicarboxylic acids as potential inhibitors of glycogen phosphorylase", CARBOHYDRATE RESEARCH, PERGAMON, GB, vol. 341, no. 8, 12 June 2006 (2006-06-12), pages 947 - 956, XP025010267, ISSN: 0008-6215, [retrieved on 20060612], DOI: 10.1016/J.CARRES.2006.03.002
- SHIN I ET AL: "Chemoselective ligation of maleimidosugars to peptides/protein for the preparation of neoglycopeptides/neoglycoprotein", TETRAHEDRON LETTERS, PERGAMON, GB, vol. 42, no. 7, 12 February 2001 (2001-02-12), pages 1325 - 1328, XP004316644, ISSN: 0040-4039, DOI: 10.1016/S0040-4039(00)02286-3

Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

WO 2010118951 A2 20101021; WO 2010118951 A3 20101209; CA 2756510 A1 20101021; CN 102395594 A 20120328; EP 2419435 A2 20120222; JP 2012524131 A 20121011; US 2012016114 A1 20120119

DOCDB simple family (application)

EP 2010054211 W 20100330; CA 2756510 A 20100330; CN 201080016538 A 20100330; EP 10715142 A 20100330; JP 2012505113 A 20100330; US 201013260042 A 20100330