

Title (en)
METHOD FOR SYNTHESISING FUNCTIONALISED MERCAPTANS UNDER H₂S PRESSURE

Title (de)
VERFAHREN ZUR SYNTHESE FUNKTIONALISierter MERCAPTANE UNTER H₂S-DRUCK

Title (fr)
PROCEDE DE SYNTHESE DE MERCAPTANS FONCTIONNALISES SOUS PRESSION D'H₂S

Publication
EP 4255887 A1 20231011 (FR)

Application
EP 21840073 A 20211201

Priority
• FR 2012665 A 20201204
• FR 2021052156 W 20211201

Abstract (en)
[origin: WO2022117951A1] The present invention relates to a method for synthesising functionalised mercaptan, comprising the reaction between a compound of formula R²-X-C*H(NR¹R⁷)-(CH₂)_n-G (II) and H₂S in the presence of at least one enzyme chosen from among the sulfhydrylases; the reaction taking place in a reactor with a partial pressure of H₂S in the gaseous headspace of the reactor of between 0.01 and 4 bar, preferably between 0.1 and 3 bar, for example between 0.1 and 2.5 bar, and more preferably between 0.25 and 2 bar, at the reaction temperature.

IPC 8 full level
C07C 319/08 (2006.01); **C07C 323/58** (2006.01)

CPC (source: EP KR US)
C07C 319/08 (2013.01 - EP); **C12N 9/1085** (2013.01 - EP KR); **C12P 13/06** (2013.01 - EP KR); **C12P 13/12** (2013.01 - KR US)

C-Set (source: EP)
C07C 319/08 + C07C 323/58

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
WO 2022117951 A1 20220609; CL 2023001576 A1 20231103; CN 116601143 A 20230815; EP 4255887 A1 20231011;
FR 3117115 A1 20220610; FR 3117115 B1 20230505; JP 2024501167 A 20240111; KR 20230116882 A 20230804; TW 202235623 A 20220916;
US 2024002893 A1 20240104

DOCDB simple family (application)
FR 2021052156 W 20211201; CL 2023001576 A 20230601; CN 202180081343 A 20211201; EP 21840073 A 20211201;
FR 2012665 A 20201204; JP 2023534010 A 20211201; KR 20237022226 A 20211201; TW 110145210 A 20211203;
US 202118255803 A 20211201