

Title (en)

METHODS FOR CYCLIZATION AND DE-CYCLIZATION OF LONG CHAIN GLYCOLIPIDS

Title (de)

VERFAHREN ZUR CYCLISIERUNG UND DECYCLISIERUNG VON LANGKETTIGEN GLYCOLIPIDEN

Title (fr)

PROCÉDÉS DE CYCLISATION ET DE DÉCYCLISATION DE GLYCOLIPIDES À LONGUE CHAÎNE

Publication

**EP 4313999 A2 20240207 (EN)**

Application

**EP 22718078 A 20220321**

Priority

- GB 202103925 A 20210322
- EP 2022057351 W 20220321

Abstract (en)

[origin: WO2022200273A2] A method for selective cyclization or de-cyclization of a mix of sophorolipids in the lactonic or acidic forms, wherein the lactonic form is produced by reacting a mixture of sophorolipids with a strong methylating agent to provide an end product having at least 70% w/w sophorolipids in their lactonic form; and wherein the acidic form is produced by reacting a mixture of sophorolipids with a genetically engineered enzyme having at least 50% homology to lipase B to provide an end product having at least 70% w/w sophorolipids in their acidic form.

IPC 8 full level

**C07H 1/00** (2006.01); **C07H 15/04** (2006.01); **C07H 99/00** (2006.01); **C12P 19/12** (2006.01); **C12P 19/60** (2006.01)

CPC (source: EP KR)

**C07H 1/00** (2013.01 - EP KR); **C07H 15/04** (2013.01 - EP KR); **C07H 99/00** (2013.01 - EP KR); **C12N 9/20** (2013.01 - KR); **C12N 15/70** (2013.01 - KR); **C12N 15/80** (2013.01 - KR); **C12N 15/81** (2013.01 - KR); **C12N 15/815** (2013.01 - KR); **C12P 19/44** (2013.01 - EP KR); **C12P 19/62** (2013.01 - EP KR); **C12Y 301/01003** (2013.01 - KR)

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 2022200273 A2 20220929**; **WO 2022200273 A3 20221103**; EP 4313999 A2 20240207; GB 202103925 D0 20210505; KR 20230173113 A 20231226

DOCDB simple family (application)

**EP 2022057351 W 20220321**; EP 22718078 A 20220321; GB 202103925 A 20210322; KR 20237036168 A 20220321