

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

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- 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)

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DOCDB simple family (application)

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