

Title (en)
SULFATED PILLARARENES, METHODS OF MAKING SAME, AND USES THEREOF

Title (de)
SULFATIERTE SÄULENARENE, VERFAHREN ZUR HERSTELLUNG DAVON UND VERWENDUNGEN DAVON

Title (fr)
PILLARARÈNES SULFATÉS, LEURS PROCÉDÉS DE FABRICATION ET LEURS UTILISATIONS

Publication
EP 4110757 A4 20240605 (EN)

Application
EP 21760878 A 20210301

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Abstract (en)
[origin: WO2021174209A1] Provided are sulfated pillararenes and methods of making and using same. The pillararenes have macrocycle core having a plurality of aryl groups, attached (e.g., covalently bonded) in a para orientation to the adjacent methylene groups. The pillararenes have a hydrophobic cavity. The hydrophobic cavity may be used to sequester various materials or to deliver materials sequestered therein.

IPC 8 full level
C07C 305/22 (2006.01); **A23L 5/20** (2016.01); **A61K 31/095** (2006.01); **A61P 31/04** (2006.01); **A61P 43/00** (2006.01); **A62D 3/30** (2007.01); **C07C 305/02** (2006.01); **C07C 305/24** (2006.01); **C08G 61/02** (2006.01)

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Citation (search report)
• [X] WO 2018160618 A1 20180907 - WISCONSIN ALUMNI RES FOUND [US]
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• [XP] WEIJIAN XUE ET AL: "Pillar[n]MaxQ: A New High Affinity Host Family for Sequestration in Water", ANGEWANDTE CHEMIE INTERNATIONAL EDITION, VERLAG CHEMIE, HOBOKEN, USA, vol. 59, no. 32, 15 June 2020 (2020-06-15), pages 13313 - 13319, XP072088088, ISSN: 1433-7851, DOI: 10.1002/ANIE.202005902
• See also references of WO 2021174209A1

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