Accepted Manuscript

Title: Fluorinated liquid crystalline dendrimers

Author: Silvia Hernández-Ainsa Joaquín Barberá

PII: S0022-1139(15)00073-1

DOI: http://dx.doi.org/doi:10.1016/j.jfluchem.2015.02.018

Reference: FLUOR 8524

To appear in: FLUOR

Received date: 14-10-2014 Revised date: 25-2-2015 Accepted date: 27-2-2015

Please cite this article as: S. Hernández-Ainsa, J. Barberá, Fluorinated liquid crystalline dendrimers, *Journal of Fluorine Chemistry* (2015), http://dx.doi.org/10.1016/j.jfluchem.2015.02.018

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

ACCEPTED MANUSCRIPT

Fluorinated liquid crystalline dendrimers

Dr. Silvia Hernández-Ainsa*1,2, Prof. Dr. Joaquín Barberá*1

Affiliation for the Authors:

- 1. Departamento de Química Orgánica, Facultad de Ciencias, Instituto de Ciencia de Materiales de Aragón-CSIC, Universidad de Zaragoza, 50009-Zaragoza, Spain
- 2. Present address. Cavendish Laboratory, Department of Physics, JJ Thomson Avenue, CB3 0HE, Cambridge, United Kingdom.

Abstract

The purpose of this short review article is to give an overview of fluorinated dendrimers that selforganise producing liquid-crystalline (LC) properties and specifically to describe the different effects that the incorporation of fluorine has on their supramolecular organisation. Special emphasis is made on dendrimers modified in their periphery with fluorinated moieties.

Keywords

Dendrimers, Liquid Crystals, Fluorinated Chains, Supramolecular Organisation, Self-assembly

Download English Version:

https://daneshyari.com/en/article/7752934

Download Persian Version:

https://daneshyari.com/article/7752934

Daneshyari.com