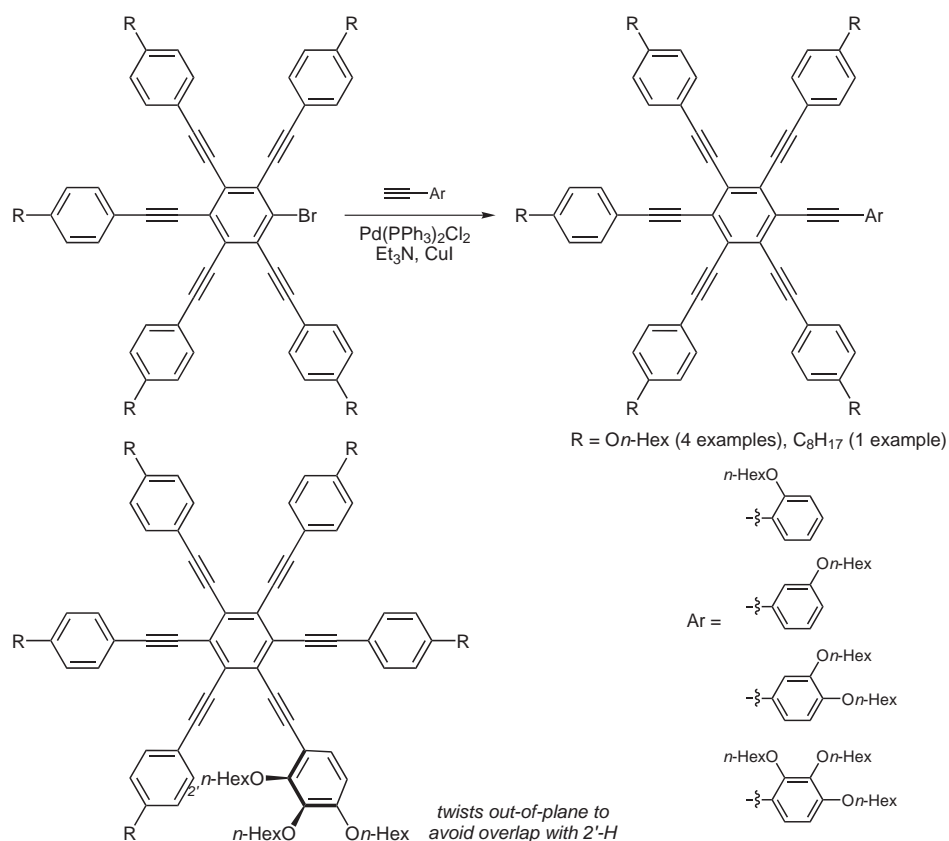


Stable, Low-Temperature Discotic Nematic Superstructures by Incorporating a Laterally Substituted Sidearm in Hexakis(phenylethynyl)benzene Discogens
Adv. Funct. Mater. **2007**, *17*, 1896-1902.

Low-Temperature Discotic Nematic Liquid Crystals



Comment: There are relatively few examples of N_D liquid crystals; this is in contrast to the large number of calamitic (rod) nematic LCs, which make up the bulk of liquid crystal display (LCD) technology. By making simple but highly effective modifications to the well-established (see: *Chimia* **1987**, 41, 196) hexaalkynylbenzene scaffold the authors have developed a variety of discotic LCs with good nematic properties. This technique is likely to find further use in the development of low-temperature N_D liquid crystals.

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nematic liquid crystals

SYNFACT