Liquid-Crystalline Fulleropyrrolidines.

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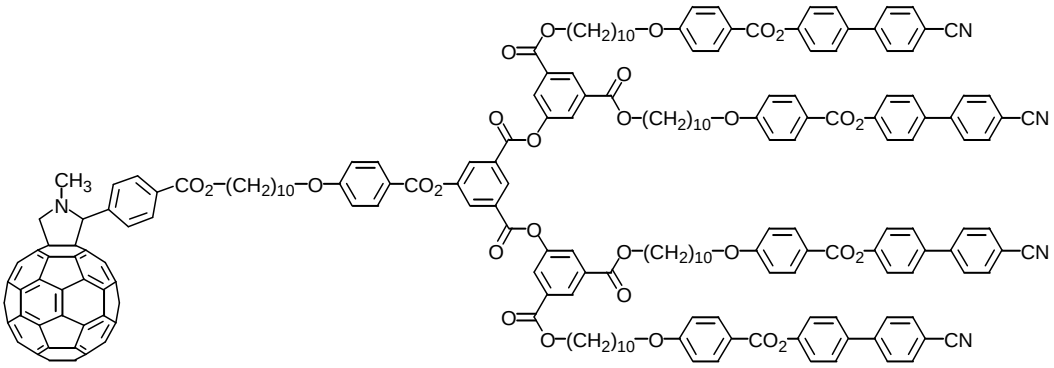
Incorporation of [60]fullerene into liquid-crystalline assemblies has been recently reviewed [1]. Functionalization of C_{60} with mesomorphic addends by applying the *Bingel* [2] or the *Prato* [3] reaction led to liquid-crystalline methanofullerenes [4, 5] and fulleropyrrolidines [6, 7], respectively.
The fullerene sphere does not act as a mesogenic unit: because of its bulkiness and three-dimensional structure, the C_{60} unit decreases the interactions between the mesogens. The use of liquid-crystalline dendritic addends allowed to thwart the unfavorable effects of the fullerene within the mesophases.
We describe, herein, the synthesis, properties and supramolecular organization of fullerene-containing liquid-crystalline dendrimers.



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