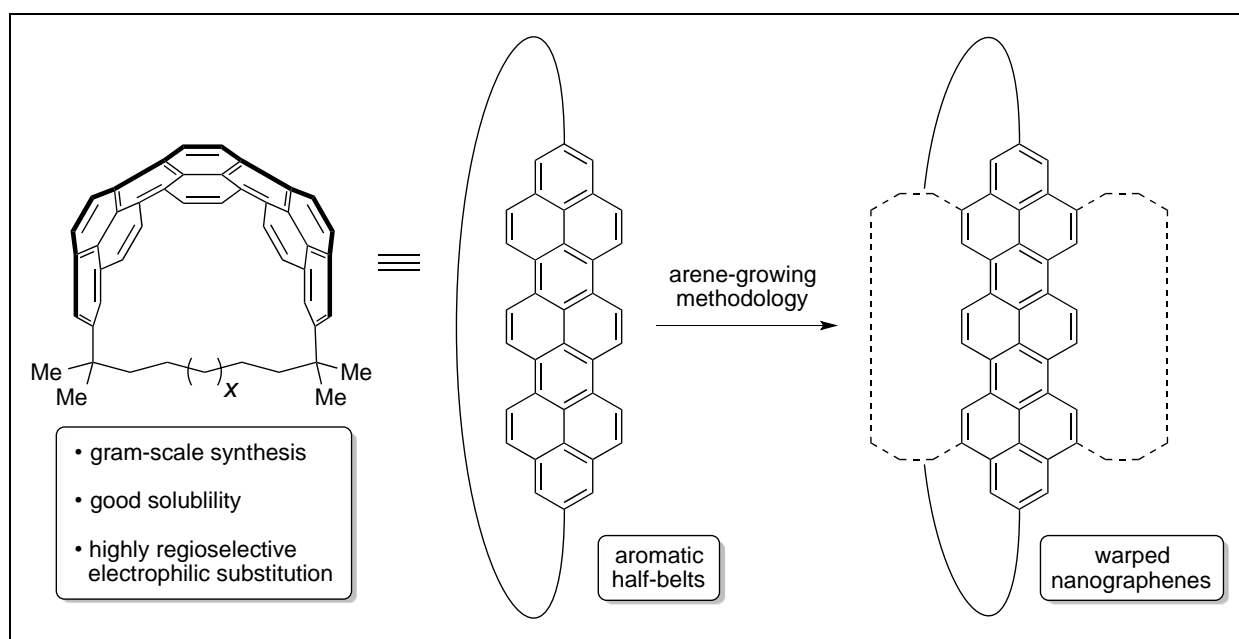


# The [n]Cyclophane Approach to Warped Nanographenes

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The synthesis of a series of 1,1,*n,n*-tetramethyl[*n*](2,11)teropyrenophanes was originally achieved on the milligram scale,<sup>1,2</sup> but can now be accomplished on the gram scale using a heavily modified synthetic pathway. The availability of useful amounts of the teropyrenophanes has not only enabled the study of the chemistry of the teropyrene system and how it changes with increasing distortion of the aromatic system, but also opened the door to work aimed at exploiting various arene-growing methodologies (e.g. Scholl reaction, Scott's Diels-Alder reaction, Itami's arylation chemistry) for the synthesis of cyclophanes containing much larger polynuclear aromatic systems than teropyrene, *i.e.* nanographenes.



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