1. Design and synthesis of oligoamide-based double α -helix mimetics

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An extensive series of bis-oligobenzamides and bisoligopyridylamides were efficiently prep'd. and studied by X-ray anal. and computation. A modular **synthesis** gave **double α -helix** mimics bearing between two and ten branched side-chains. The inter-**helix** angle and distance can be tuned by varying the length and rigidity of spacer, thus reproducing the recognition domains of a range of super-secondary structures.