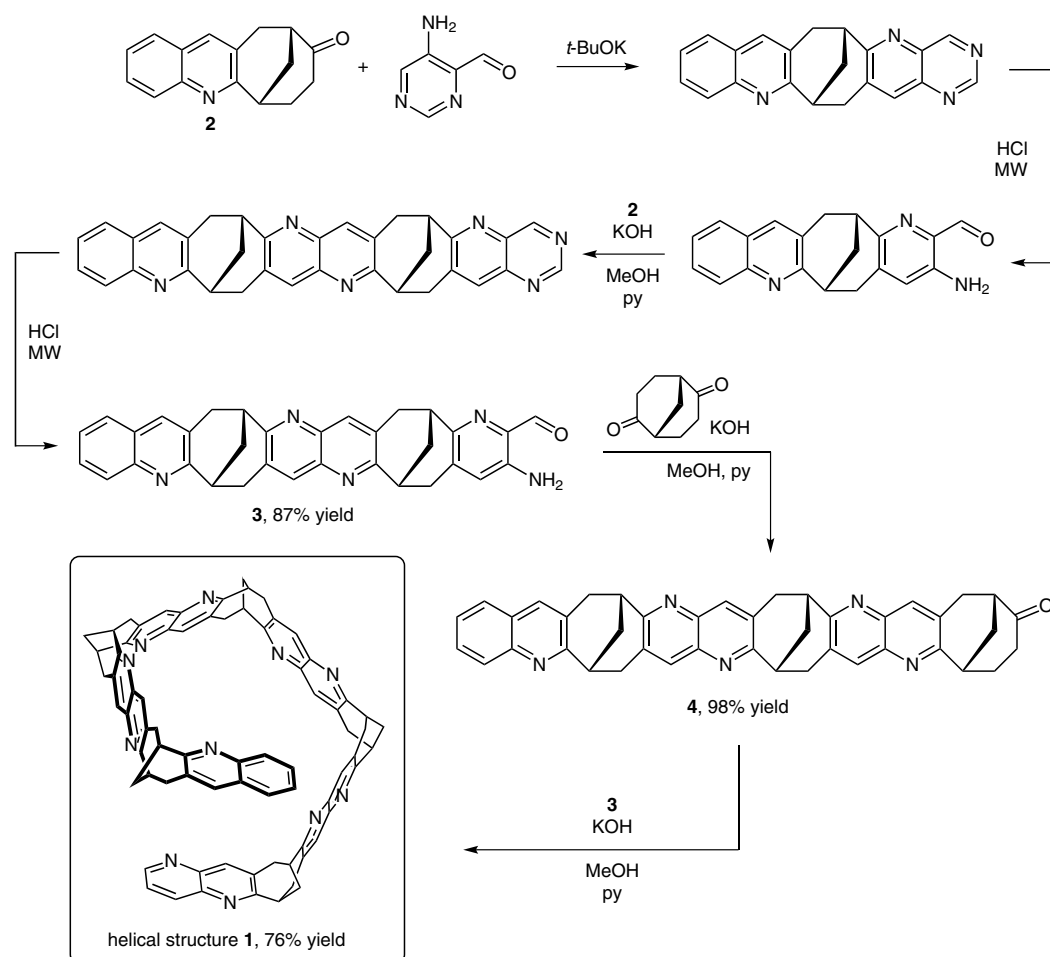


# A Tubular Structural Analogue of Helicene



**Significance:** Helical molecular systems, both natural and unnatural, continue to capture the interests of chemists. Using an enantiomerically pure bicyclic moiety to appropriately place kinks into the system, Wärnmark and co-workers report the synthesis of helical structure **1**, an orthogonal topological analogue of helicene.

**Comment:** The synthesis of **1** is accomplished by repeated employment of a two-step set of reactions consisting of (1) ring-opening hydrolysis in acid and (2) Friedländer condensation with a chiral bicyclic ketone. By this strategy, monomer **2** is converted into ring-opened trimer **3**, which is converted into trimeric ketone **4**. Condensation of **4** and **3** affords the helical target **1**.