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“Helical assembly formed by chiral [11]thiaheterohelicene in crystals. Architecture with triple helix.”

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Projection of the crystal structure of a right-handed enantiomer of [11]thiaheterohelicene (11H) with a helical structure of one and a half turn revealed huge helical assemblies along the a axis. In the assemblies, three crystallographically independent molecules formed a smaller right-handed helix, while no similar helical assembly was observed for the crystal structures of an 11H racemate and a [9]thiaheterohelicene enantiomer.