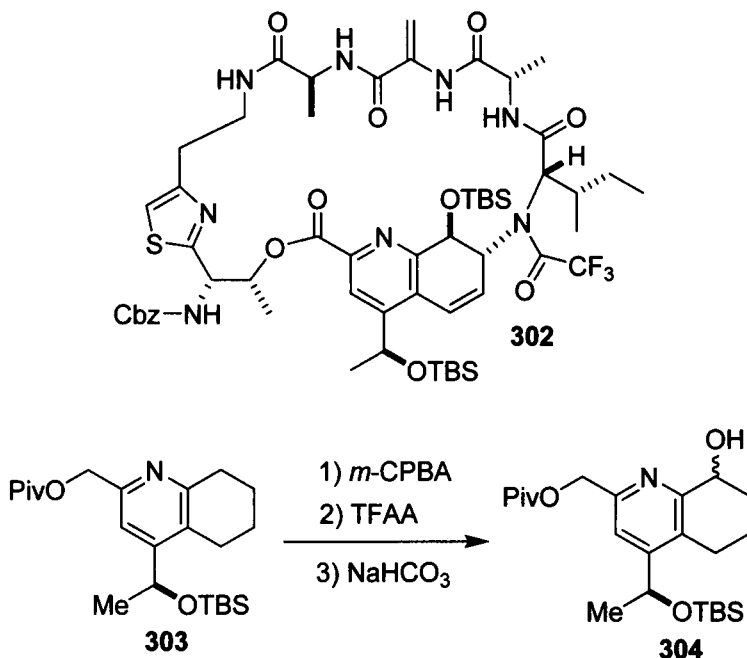


The Boekelheide reaction was applied by the Nicolaou group<sup>200</sup> in the synthesis of a model system of the thiopeptide antibiotic thiostrepton (**302**). The tetrahydroquinoline **303** was converted into the *N*-oxide by *m*-CPBA oxidation followed by treatment with TFAA and then hydrolysis to afford key intermediate alcohol **304** as a diastereomeric mixture.



A Fe(II)-binding agent pyrimidine **307** was synthesized starting from the bis-homophenylalanine **305**<sup>201</sup> via the Boekelheide reaction with TFAA and hydrolysis to yield the advanced intermediate **306**.

