

Ring Contraction of α,β -Unsaturated Cyclic Amines with cis-Dihydroxylation at the α,β -Position

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Abstract

α,β -Unsaturated cyclic amines are oxidized by OsO₄ to afford α,β -cis-dihydroxylated compounds which are thermodynamically transformed into ring-opened keto-alcohols. The keto-alcohols are then cyclized to form synthetically useful ring-contracted cyclic amines.