

Peracid oxidation of 1-oxa-8-azabicyclo[3.3.0]octanes: an entry to the cis-2,5-disubstituted pyrrolidines.

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Abstract

Aldonitrone I, generated by peracid induced ring opening of substituted 1-oxa-8-azabicyclo[3.3.0]octane II, upon undergoing second cycloaddn. with BuCH:CH₂, peracid oxidn., followed by hydrogenation, afforded cis-2,5-disubstituted pyrrolidine III, stereoselectively in excellent yield.

