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Abstract:

Tetralones were converted to tetralinylamines via Leuckart reaction. These were then used to protect carboxamide side-chains of glutamine and asparagine. Clevage studies using trifluoroacetic acid and boron tristrifluoroacetate were then done on these derivatives. The groups 1-tetralinyl, 5,7-dimethyl-1-tetralinyl and 7-methoxy-1-tetralinyl were found to be good carboxamide protecting groups in asparagine.