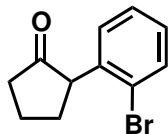
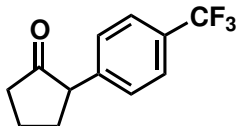


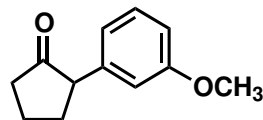
1 mol % Sc(OTf)₃
>98% yield



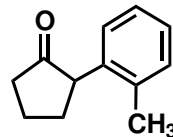
1 mol % Sc(OTf)₃
95% yield



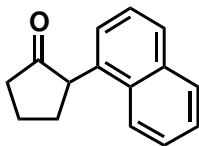
1 mol % Sc(OTf)₃
92% yield



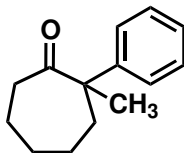
1 mol % Sc(OTf)₃
88% yield



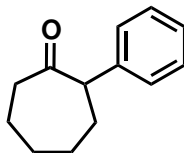
1 mol % Sc(OTf)₃
93% yield



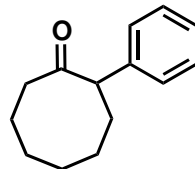
1 mol % Sc(OTf)₃
95% yield



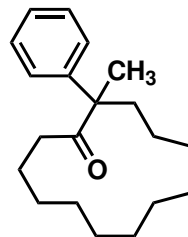
1 mol % Sc(OTf)₃
>98% yield



0.5 mol % Sc(OTf)₃
92% yield



1 mol % Sc(OTf)₃
89% yield



7 mol % Sc(OTf)₃
84% yield