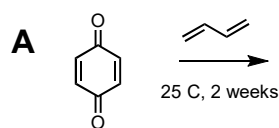


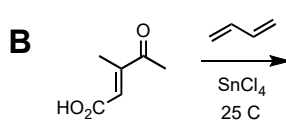
DIELS-ALDER REACTIONS

Predict the products of the following reactions.



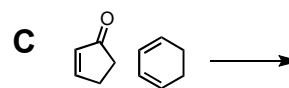
93% yield

rxn from JACS 1958 80 5006



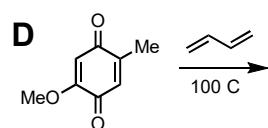
73% yield

rxn from Pure App Chem 1973 33 45



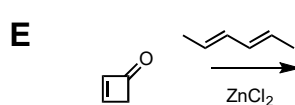
66% yield

rxn from OL 2005 7 5195

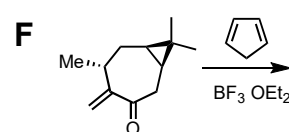


86% yield

rxn from JACS 1951 73 2403

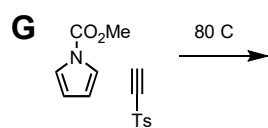


rxn from JACS 2014 136 2397



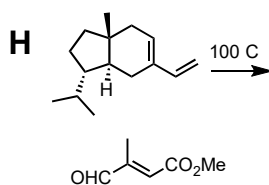
59% yield, mixture of 3 diastereomers

rxn from OL 2001 3 1563



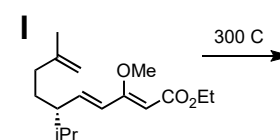
36% yield

rxn from TL 1993 74 7493



61% yield

rxn from JACS 1985 107 4339



23% yield

rxn from TL 1988 29 3283