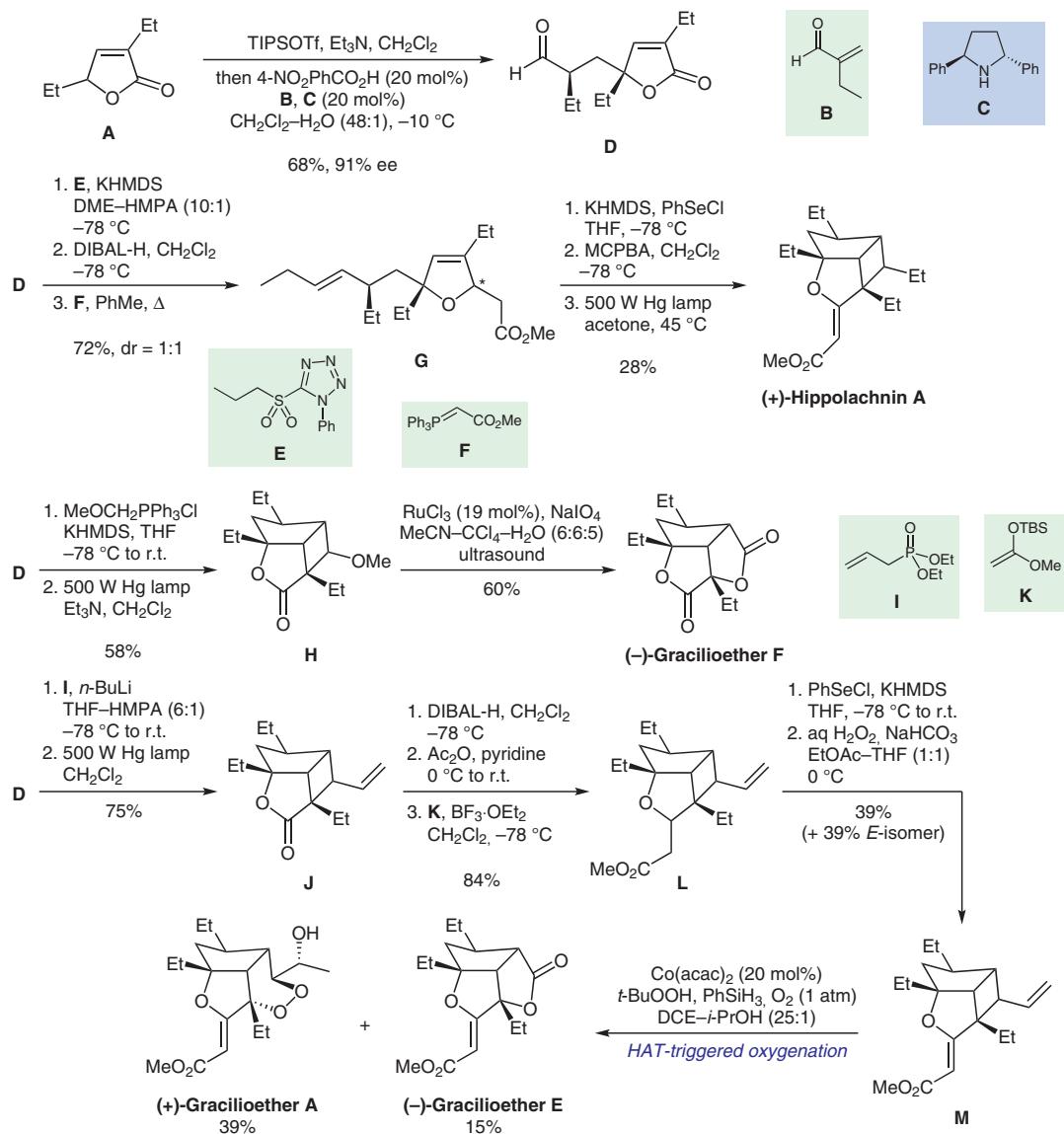


Syntheses of Plakortin Polyketides



Significance: (+)-Hippolachnin A and the gracilioethers commonly feature a strained, bowl-shaped tricyclic core. Based on a [2+2]-photocycloaddition strategy, the authors report divergent syntheses of four different *Plakortin* natural products.

Comment: An organocatalytic, asymmetric 1,4-addition afforded γ -butenolide **D**, which served as a common intermediate. Chain elongation gave ester **G**, which after desaturation and [2+2] photocycloaddition, yielded (+)-hippolachnin A.