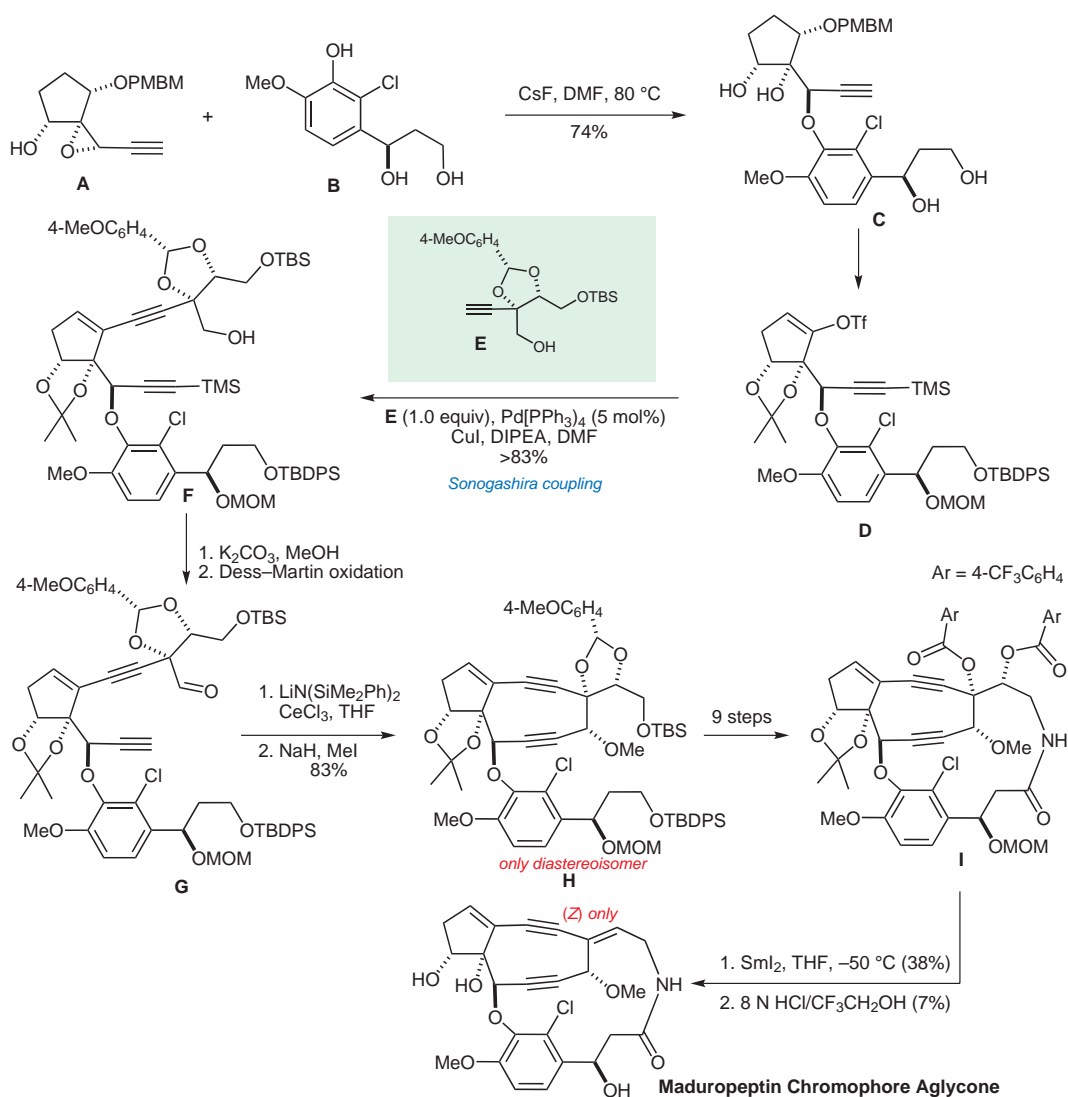


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Total Synthesis of the Maduropeptin Chromophore Aglycon

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# Synthesis of the Maduropeptin Chromophore Aglycon



**Significance:** The target is an extremely labile precursor to an enediyne intermediate whose cycloaromatization to a *p*-benzyne biradical efficiently cleaves DNA by H-abstraction. The target was constructed from three major fragments **A**, **B**, and **E**.

**Comment:** The cyclization **G**  $\rightarrow$  **H** and the penultimate Sml<sub>2</sub>-mediated reductive elimination were highly diastereoselective. The final deprotection step (7% yield) gave the target as a single atropisomer.

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