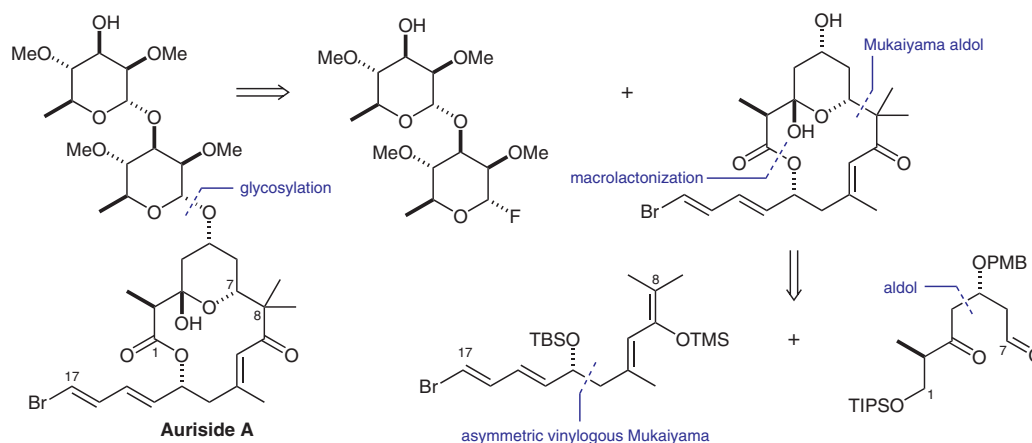


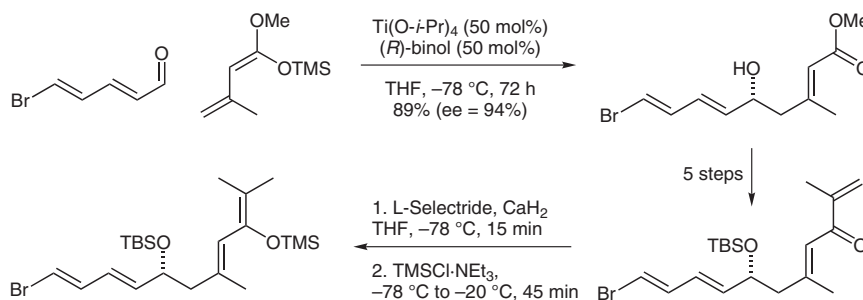
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Stereocontrolled Total Synthesis of (–)-Aurisides A and B  
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## Total Synthesis of (–)-Aurisides A and B



Synthesis of the C8–C17 fragment via an asymmetric vinyllogous Mukaiyama aldol reaction:



**Significance:** The first synthesis of Aurisides A and B is reported. The Aurisides are isolated from the sea hare *Dolabella auricularia*. They are cytotoxic towards HeLa  $\text{S}_3$  cervical cancer cell lines with  $\text{IC}_{50}$  values of 0.17 and  $1.2 \mu\text{m mL}^{-1}$ , respectively.

**Comment:** Variations on the aldol reaction were used to synthesize and link the C1–C7 and C8–C17 fragments of the aglycone. The asymmetric vinyllogous Mukaiyama-directed aldol reaction mediated by an (*R*)-binol- $\text{Ti}(\text{O}-i\text{-Pr})_4$  species (89%, ee = 94%) is noteworthy.