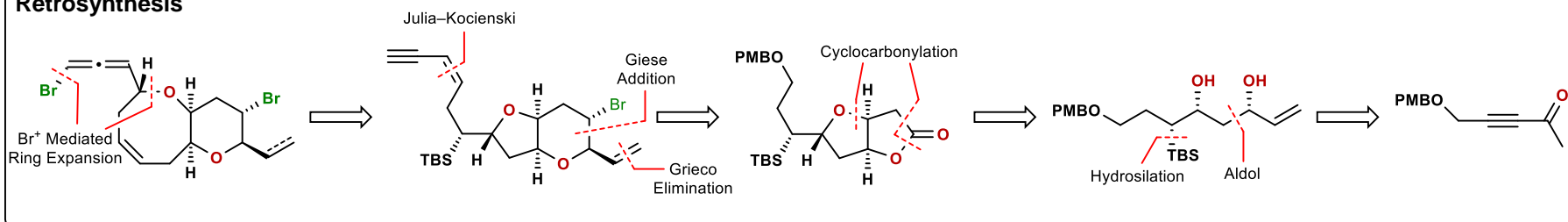


microcladallene A

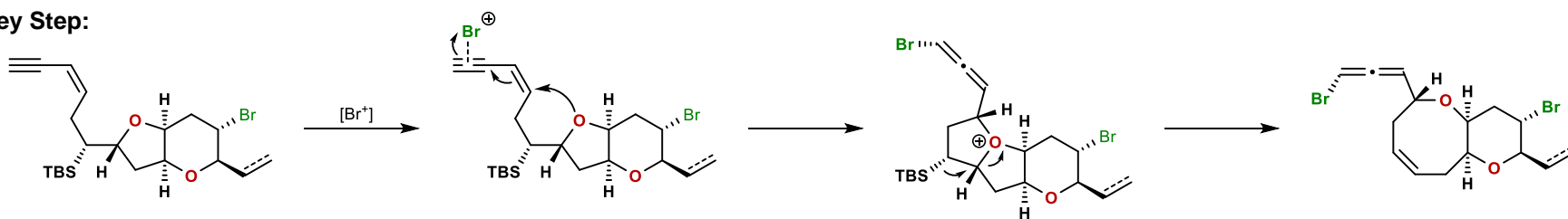
- First isolated in 1984 by Kennedy et al from the red alga *Laurencia microcladia* collected off the French coast at Cap Ferrat.
- there has been no reported biological activity for microcladallene A, B or C, yet there have been 2 asymmetric total syntheses of these molecules due to their interesting structure.
- Contains a unique cis-fused 2,9-dioxabicyclo[6.4.0]dodecane core containing 5 stereocenters, which include a cis-bromohydrin motif, in addition to a stereodefined allenyl bromide



Retrosynthesis



Key Step:



Asymmetric Intermediate:

