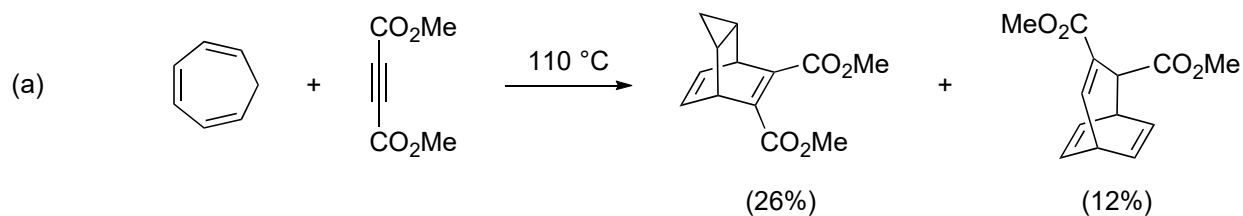


The following reaction involves two or more pericyclic steps. Provide detailed mechanistic rationale and classify each pericyclic step using Woodward-Hoffmann rules.



The following reactions involve pericyclic and/or ionic steps. Provide mechanistic rationale for the observed products.

