

Hetero-Diels-Alder reaction of halogenated quinones with a polygodial-derived azadiene

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Abstract

The reaction between polygodial dimethylhydrazone and haloquinones under an air atmosphere is described. The terpene moiety undergoes a degradative oxidation to an 11-norsequiterpene ketone containing a quinolinequinone skeleton. The Diels–Alder reaction between a drimanic azadiene and halogenated quinones, yielding quinolinequinones, is described.

Keywords

Hetero-Diels–Alder reaction, Haloquinones, Quinolinequinone synthesis.