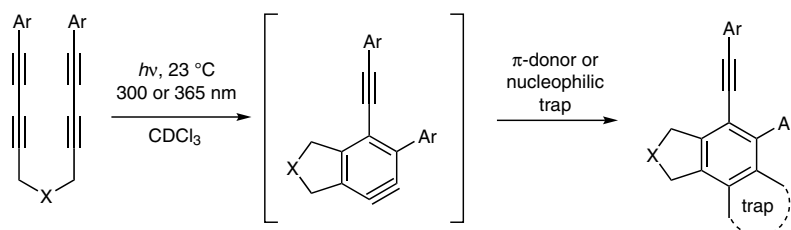
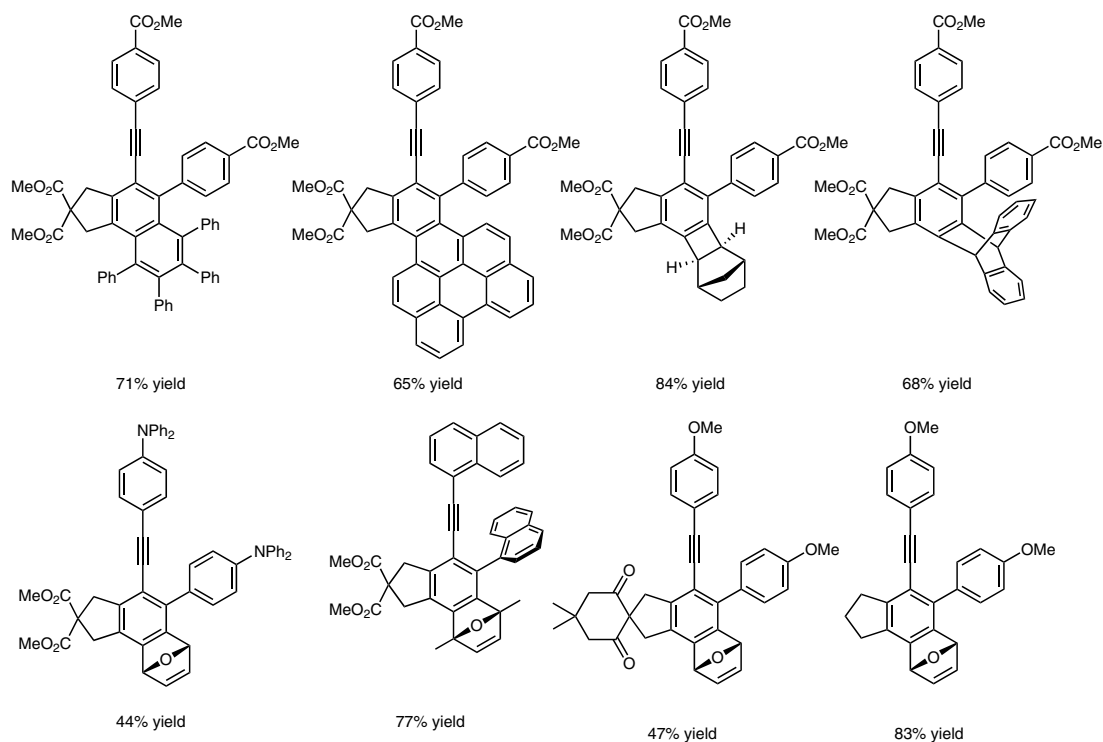


# The Power of Light in Hexadehydro-Diels–Alder Chemistry



## Selected examples:



**Significance:** The authors demonstrate the efficient formation of reactive benzyne intermediates through photochemically initiated hexadehydro-Diels–Alder (HDDA) cycloisomerization reaction of multi-yne precursors. The reported photochemical transformation occurs at lower temperatures than the thermal version of the HDDA.

**SYNFACTS Contributors:** Timothy M. Swager, Cagatay Dengiz  
Synfacts 2017, 13(08), 0809 Published online: 18.07.2017

**DOI:** 10.1055/s-0036-1590716; **Reg-No.:** S06217SF

**Comment:** The authors also report that the resulting benzyne intermediates behave identically to those obtained through thermal HDDA reactions. The subsequent, highly efficient trapping reactions with  $\pi$ -donors and nucleophilic agents demonstrate the application of this method to access more elaborate structures.