



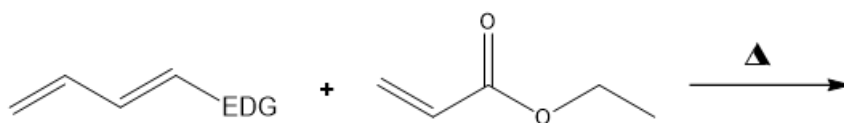
# ORGOREVIEW

## Question Vault

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Which statement describes the effect of an electron donating group (EDG) on the reactivity of a diene in a Diels-Alder reaction with ethyl acrylate?



- ☐ (A) The EDG slows the reaction by raising the energy of the HOMO.
- ☐ (B) The EDG accelerates the reaction by raising the energy of the HOMO.
- ☐ (C) The EDG slows the reaction by raising the energy of the LUMO.
- ☐ (D) The EDG accelerates the reaction by lowering the energy of the HOMO.
- ☐ (E) The EDG slows the reaction by lowering the energy of the LUMO.
- ☐ (F) The EDG accelerates the reaction by lowering the energy of the LUMO.

## VIDEO SOLUTION



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