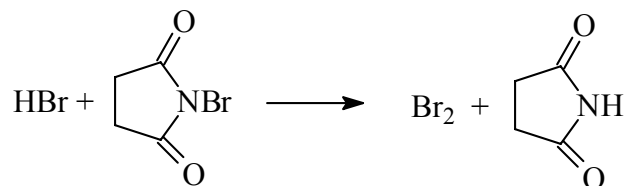


How to Tackle Allylic Bromination Problems

Allylic Bromination with N-Bromosuccinimide (NBS)



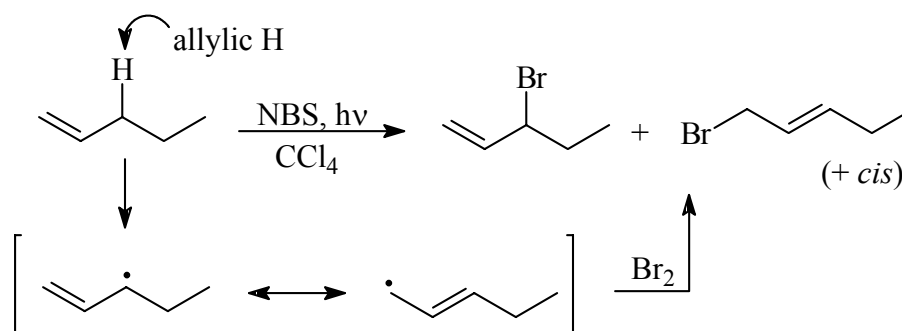
Small concentration of Br_2 is maintained in this reaction

First: Locate the allylic positions that have H atoms attached.

Second: Draw the initially formed free radical intermediate and its resonance structure.

Third: Brominate those positions.

The more stable product will usually be the major one.



one resonance-stabilized free radical intermediate

Remember, the intermediate above is only *one* intermediate with two reactive positions.

Give the products of the following NBS reactions:

