NBS

1 Reaction and Mechanism

Reaction:

NBS

N-Bromo Succinimide

Mechanism: $Br \rightarrow Br$ $hv \rightarrow 2Br$ $R \rightarrow Br$ $R \rightarrow Br$

2 Reaction Observations

i. Reacts only with Allylic and Benzylic positions.

- ii. C^{\bullet} obtained as intermediate.
- iii. Example of Substitution Reaction.
- iv. Pure NBS is inert, hence, impurity of HBr or Br_2 is added.
- v. Example of Oxidation Reaction.