An electrophilic addition of an alkene or an alkyne that occurs according to Markovnikov’s rule is called a Markovnikov addition; one that occurs against is called an anti-Markovnikov addition.

eg. 1:

\[
\text{Markovnikov addition} \\
\text{major product}
\]

\[
\text{anti-Markovnikov addition} \\
\text{minor product}
\]

eg. 2:

\[
\text{anti-Markovnikov addition} \\
\text{major product}
\]

\[
\text{Markovnikov addition} \\
\text{minor product}
\]

Contributors

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