

Reactions of Sulfenyl, Sulfinyl, and Sulfonyl Halides with Conjugated Dienes and Enynes. Synthesis of Unsaturated Sulfides, Sulfoxides, and Sulfones

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Abstract - The reactivities of sulfenyl, sulfinyl, and sulfonyl halides in additions to conjugated dienes, enynes, and their derivatives are compared. Despite the fact that all these reactions involve cleavage of formally similar S–Cl bonds, the addition direction and rate depend on the structure of the reactants (dienes and enynes; organosulfur acid chlorides).