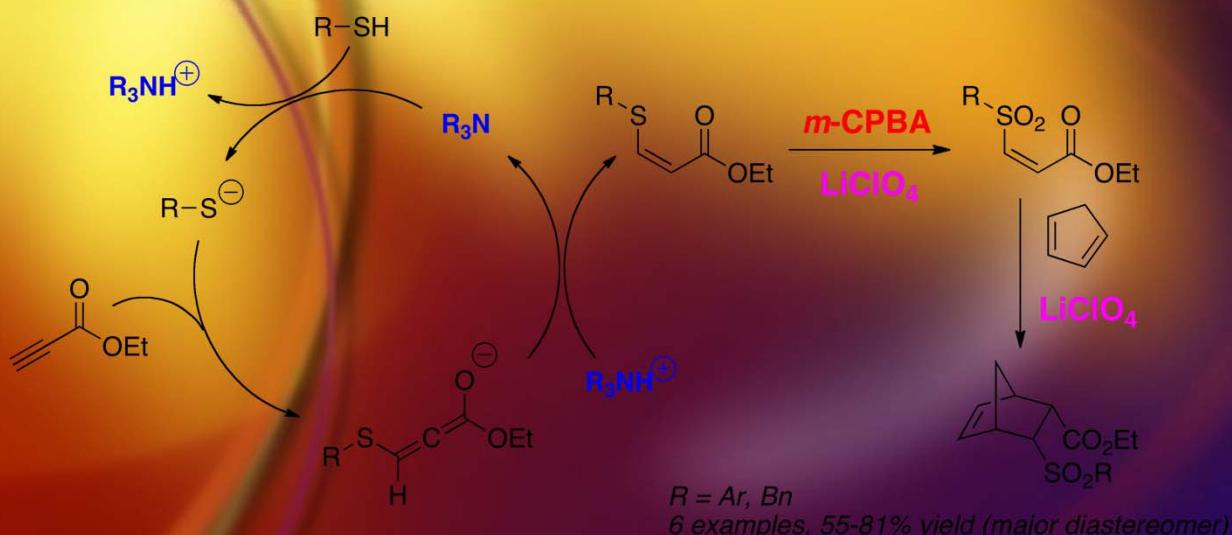


## One-Pot Three-Step Three-Component Coupling Reactions of Ynoate Electrophiles

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Through the implementation of both Lewis acidic and Lewis basic catalysts in a single reaction flask, we have achieved a three-step reaction to produce a complex intermediate from very simple starting materials.

This three-step process avoids time-consuming and expensive purification procedures between synthetic steps, and holds promise for future application to other reaction components, and to the synthesis of biologically active compounds.