

REACTION OF INDOLES WITH SUCCINIMIDO-SULFONIUM SALTS

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Novel reactions of indoles with succinimido-sulfonium salts are reported.

Reaction of indoles with succinimido-dialkyl- and alkylarylsulfonium chlorides, prepared from dialkyl and alkylaryl sulfides and N-chlorosuccinimide, afforded indole-3-dialkyl- and alkylarylsulfonium chlorides quantitatively which gave indole-3-alkyl- and arylthioethers on pyrolysis.

Indole reacted also with succinimido-diallyl- and alkylallylsulfonium chlorides to give 2-allyl-3-alkyl- and allylindoles from which 2-alkyl- and 2-allylindoles were obtained by the reductive desulfurization.