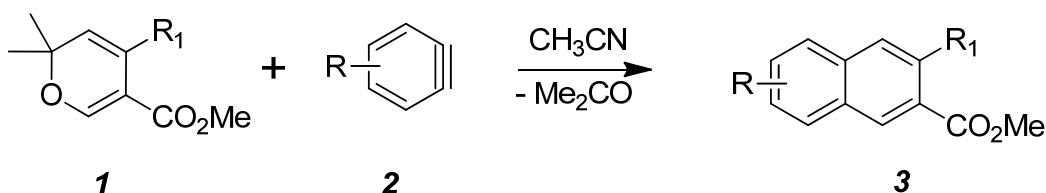


2,2-DIMETHYL-2H-PYRANS: DIENES FOR DOMINO DIELS-ALDER / RETRO-DIELS-ALDER REACTIONS IN THE SYNTHESIS OF POLYSUBSTITUTED 2-NAPHTHOATES

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In this communication we present the results of the investigation of the Diels-Alder reaction between 2*H*-pyrans **1** (diene) and arynes **2** (dienophile) for the generation of polysubstituted 2-naphthoates **3**. The 2*H*-pyrans are constructed in a simple and efficient manner from acetone, terminal alkynes and methyl propiolate [1], while arynes are generated *in situ* using known methodologies [2]. The corresponding polysubstituted 2-naphthoates are generated in good yields via a Diels-Alder / retro Diels-Alder reaction sequence [3].



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[2]. The benzynes are generated *in situ* from the corresponding 2-(trimethylsilyl)aryl trifluoromethanesulfonates and cesium fluoride.

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