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SYNTHESES OF DIHYDRO-3(2H)-FURANONES, 8-METHOXY-1-TETRALONES, 2-(2-ARYLETHYL)IMIDAZOLES AND THE USE OF ANTHRACENE ADDUCTS IN ORGANIC SYNTHESIS

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อภิธานการ

จาก

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### ABSTRACT

The first and second parts of this thesis deal with convenient and straightforward syntheses of dihydro-3(2*H*)-furanones **A** and 8-methoxy-1-tetralones **B**.

Synthesis of 2-(2-arylethyl)imidazoles **D** employing **C** as the starting material is described in the third part of the thesis.

The last part of the thesis describes the preparation of the electron-deficient diene **F** from the flash vacuum pyrolysis of the anthracene adduct **E** and their use in organic synthesis.

