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(54) Title: TWO-STEP SYNTHESIS OF PYRROLE COMPOUNDS FROM FURAN COMPOUNDS

(57) Abstract: Pyrrole compounds are produced by contacting a furan compound, a solid acid catalyst, and water to form a reaction mixture containing a γ -dicarbonyl compound, and then contacting the γ -dicarbonyl compound with ammonia or an ammonium salt to form a reaction product mixture containing the pyrrole compound. A representative pyrrole compound that can be synthesized using these processes is 2,5-dimethylpyrrole.

