

Telescopic one-pot synthesis of chromene derivatives from lawsone, aldehydes and Meldrum's acid in water.

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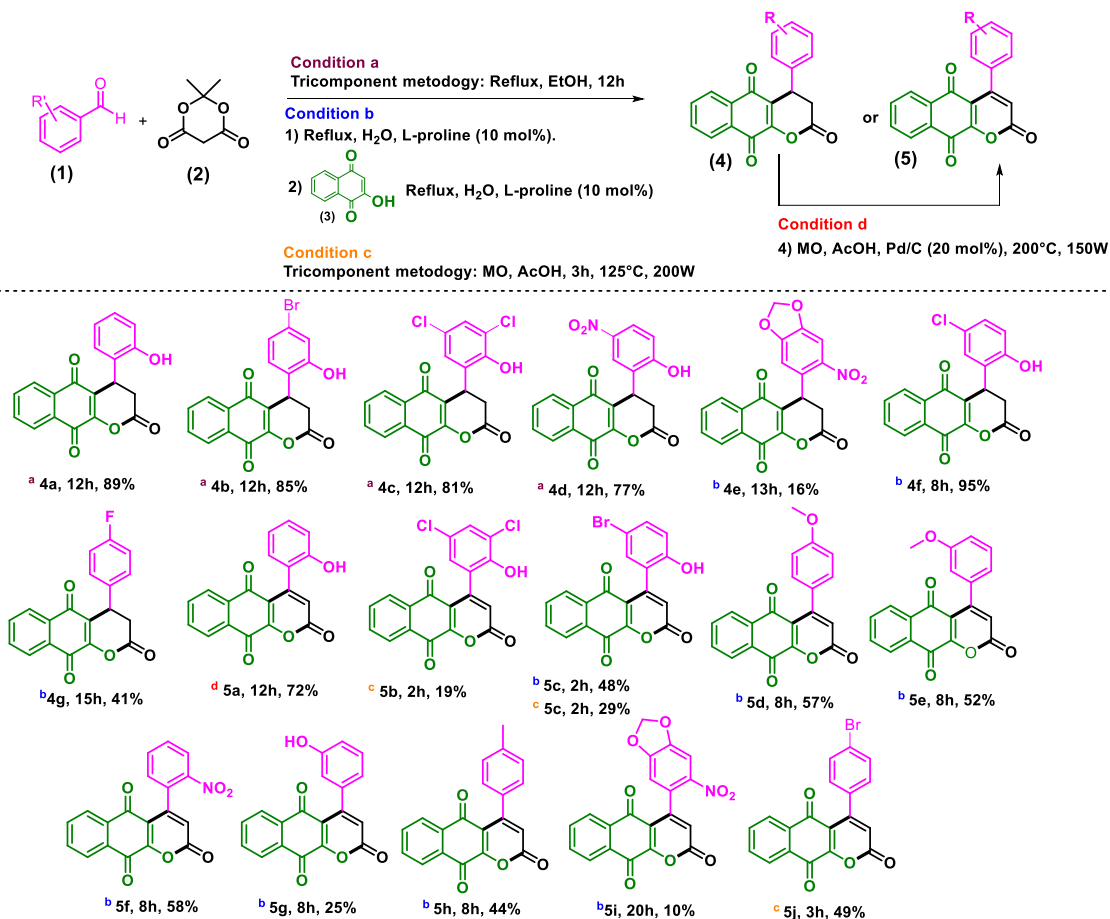
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Keywords: chromene derivatives, telescopic, one-pot.

ABSTRACT

O-heterocycles as benzo[*g*]chromenes represent a broad spectrum of biological activities¹. As a consequence, significant efforts have been made to develop new sustainable methods for constructing and modifying this crucial structure.² Here, we reported a new protocol of telescopic one-pot synthesis of chromene derivatives **4** and not previously described **5** from lawsone, aldehyde, and Meldrum's acid under different conditions (Scheme 1). All products are solid compounds and were obtained with high purity and good yields.



Scheme 1: Synthesis of chromene derivatives **4** and **5** under different conditions.

ACKNOWLEDGEMENTS

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