Regiodivergent synthesis of trisubstituted furans through Tf_2O catalyzed Friedel-Crafts acylation: a tool for access to tetrahydrofuran lignan analogues

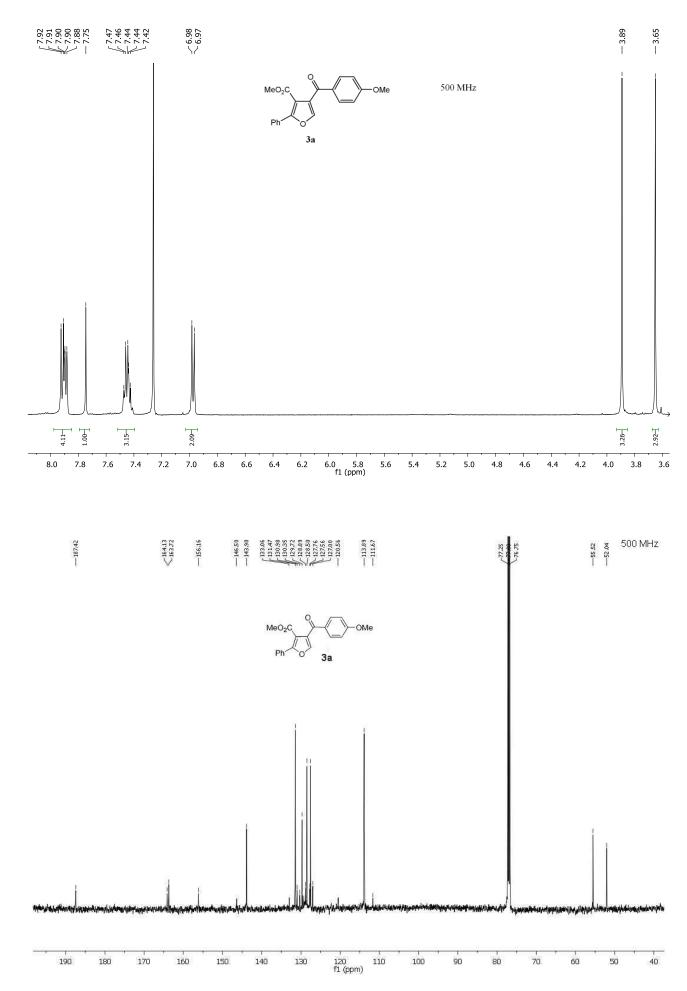
Daniela Comegna,* Marina DellaGreca,* M. Rosaria Iesce, Lucio Previtera, Armando Zarrelli, and Simona Zuppolini

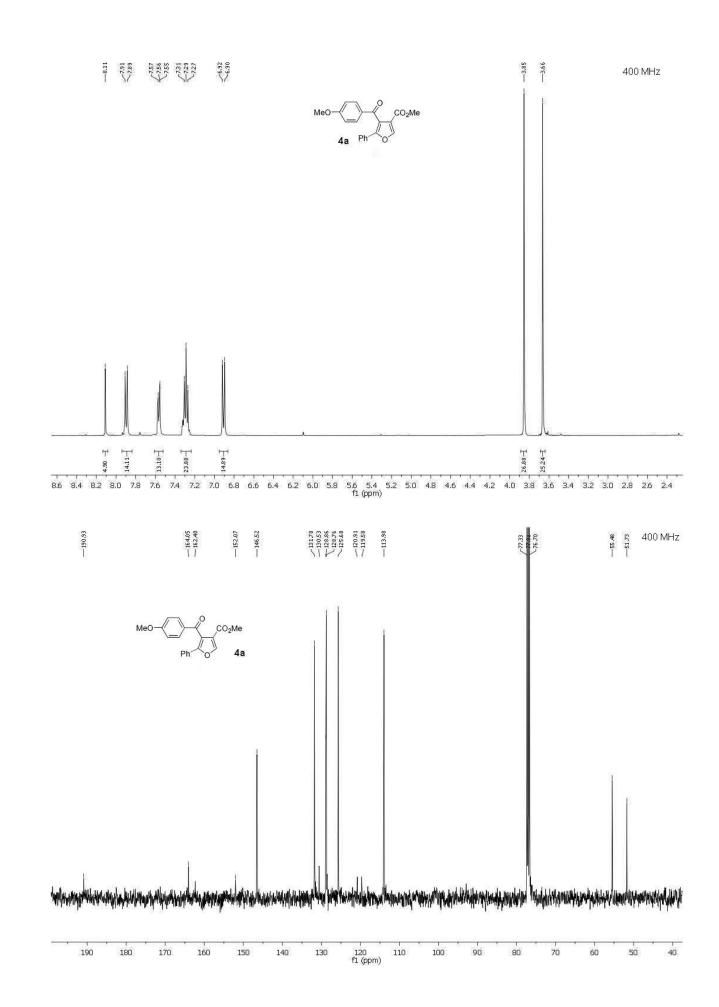
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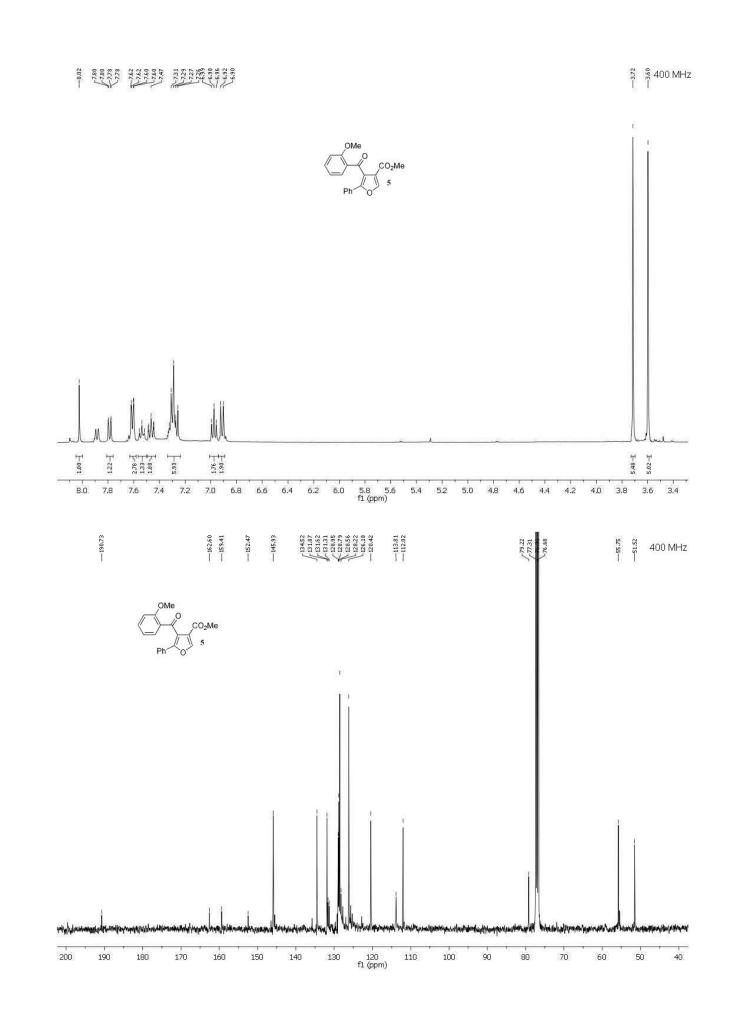
SUPPORTING INFORMATION

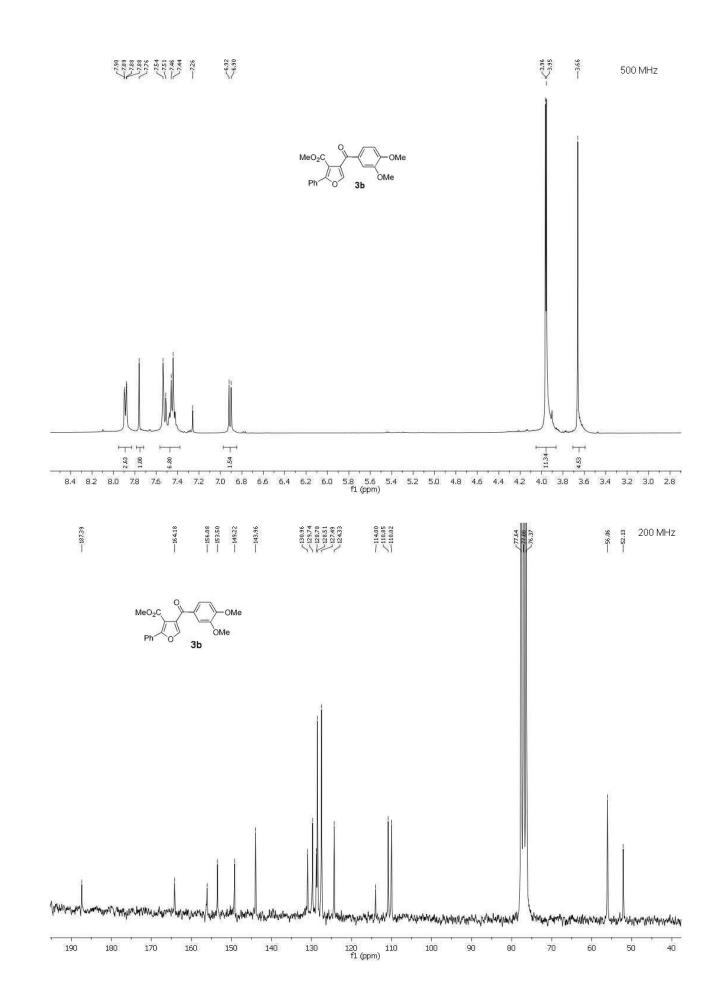
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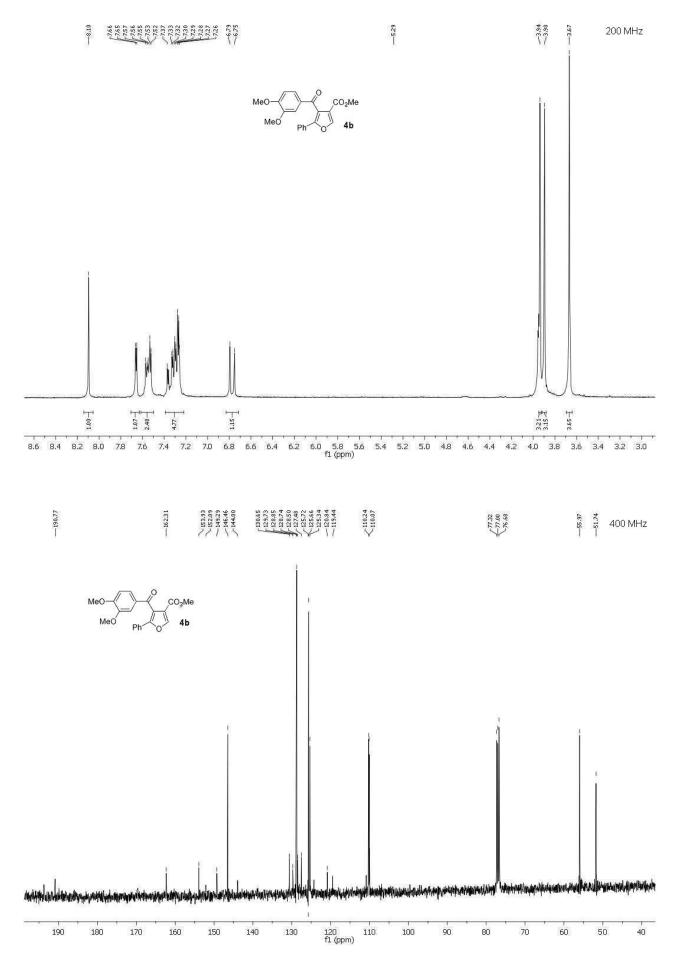
| O NMR Spectra: |
|---|
| ¹ H and ¹³ C NMR of compounds 3a-e , 4a-e , 5,7-9 pg. S2-S15 |
| |
| 2D NMR Spectra: |
| HMQC of compound 3a pg. S16 |
| HMBC of compound 3a pg. S16 |
| HSQC of compound 4a pg. S17 |
| HMBC of compound 4a pg. S17 |
| HMBC of compound 5pg. S18 |
| COSY of compound 9 pg. S18 |
| HMBC of compound 9 pg. S19 |
| NOESY of compound 9 pg. S19 |

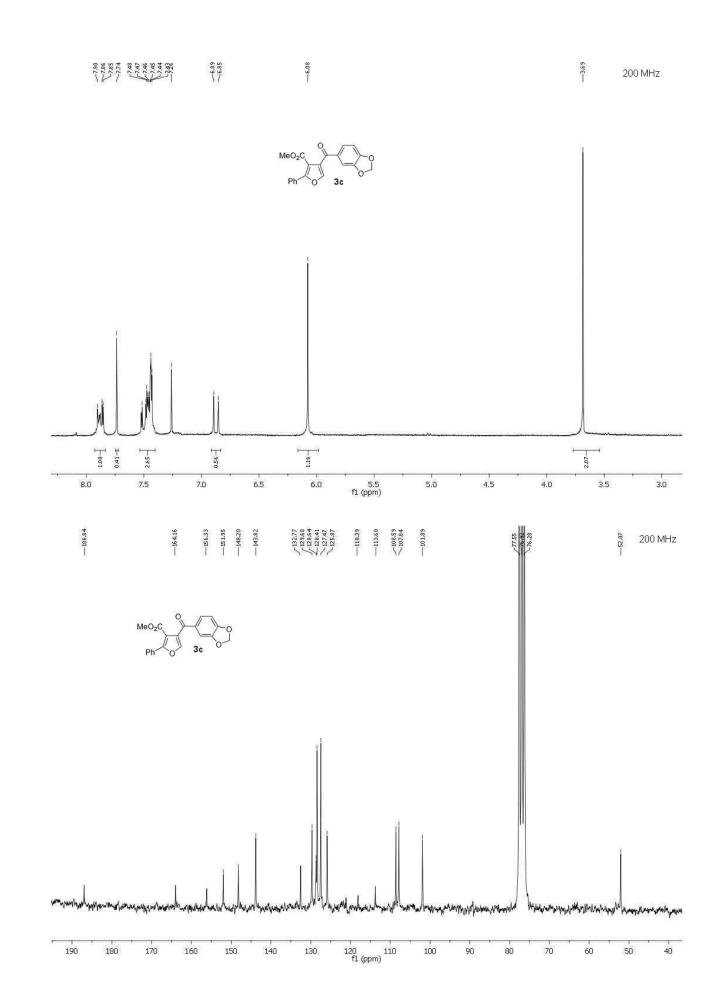


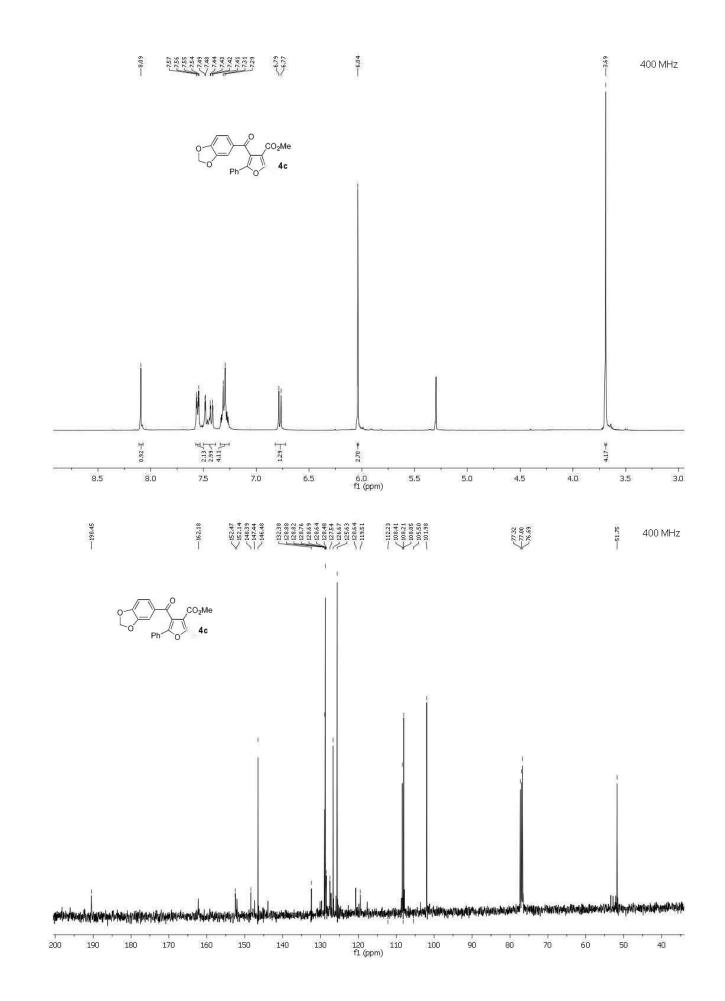


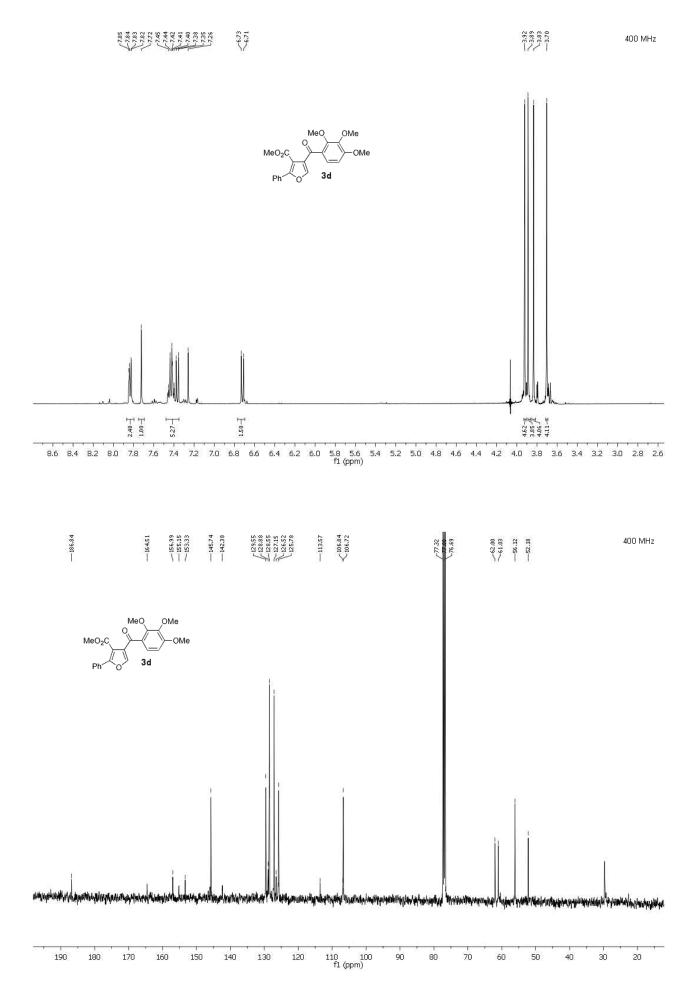


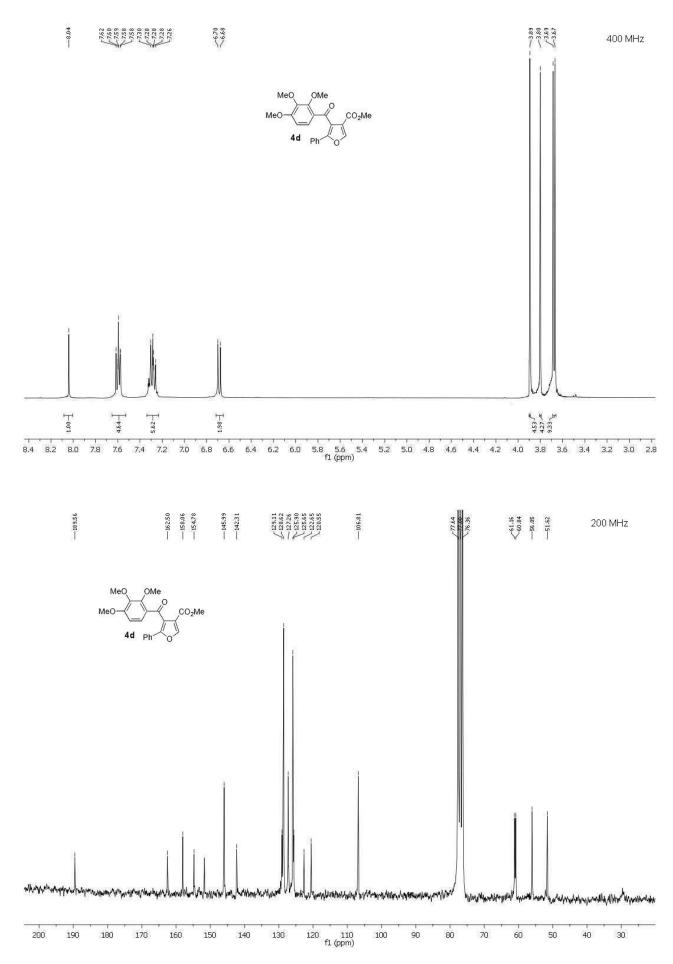


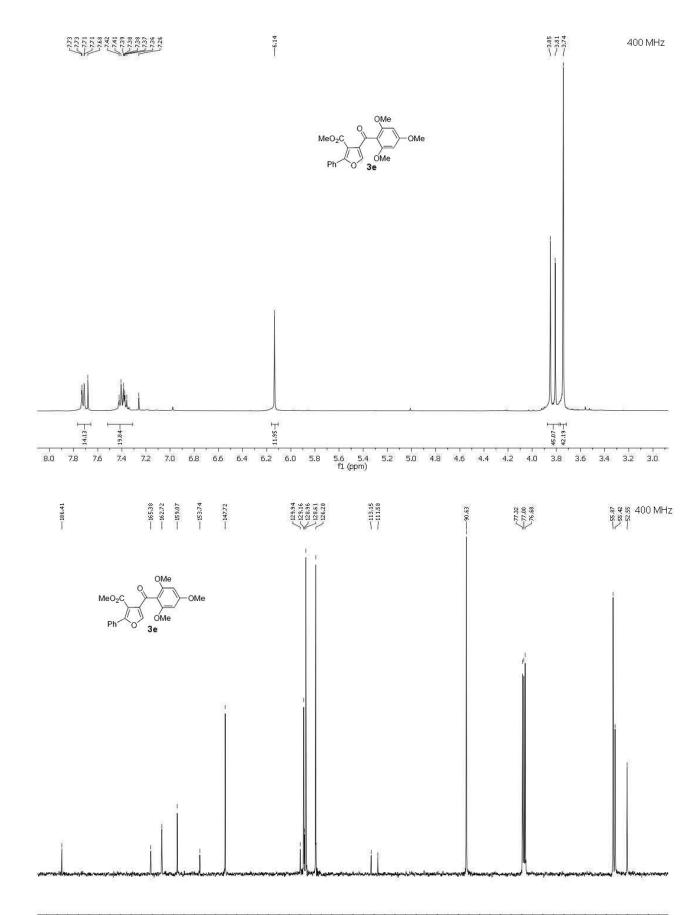




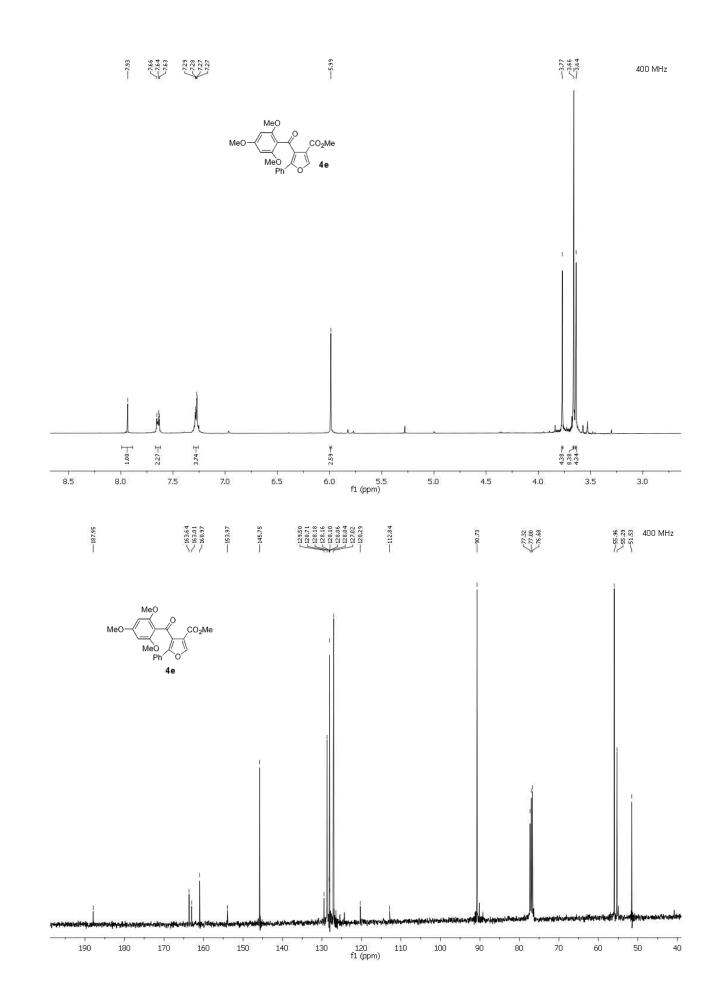


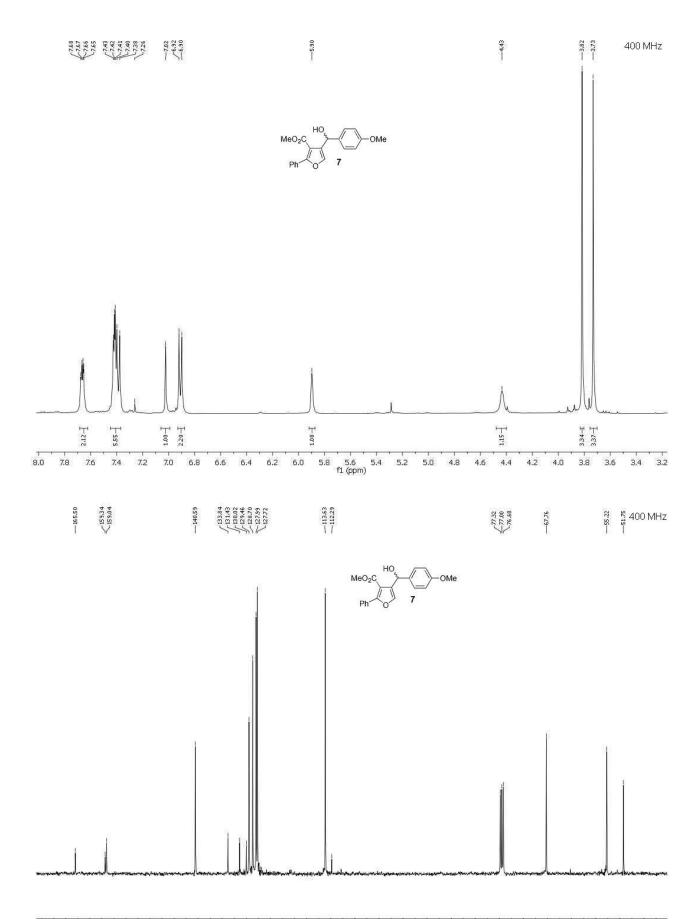




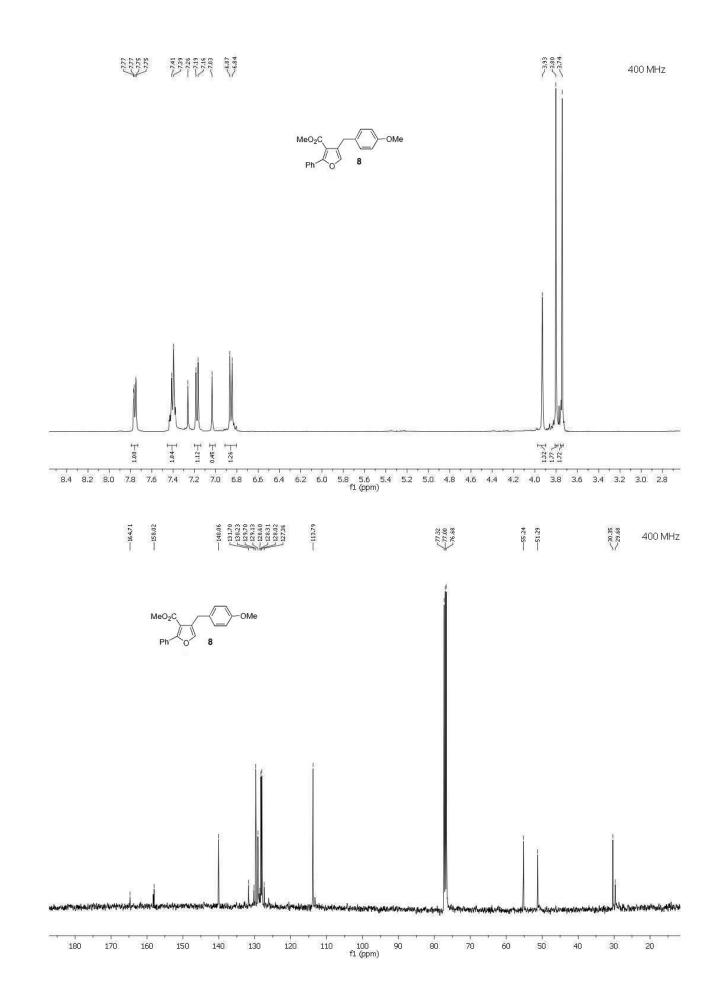


190 185 180 175 170 165 160 155 150 145 140 135 130 125 120 115 110 105 100 95 90 85 80 75 70 65 60 55 50 45 fl (ppm)





170 165 160 155 150 145 140 135 130 125 120 115 110 105 100 95 90 85 80 75 70 65 60 55 50 45 f1 (ppm)



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