

## Supplementary Material

### Synthesis and anti-malaria activity of molecules carrying the piperidine ring

Aminata Thiam,<sup>a</sup> Rokhyatou Seck,<sup>a</sup> Moussa Touré,<sup>\*a</sup> Oumar Sambou,<sup>a</sup> Emma Diatta,<sup>a</sup> Siga Sagne,<sup>a</sup> Christian Cavé,<sup>b</sup> Sandrine Cojean,<sup>c</sup> Michael Rivard,<sup>d</sup> and Abdoulaye Gassama<sup>\*a</sup>

*a* Laboratoire de Chimie et Physique des Matériaux (LCPM), UFR Sciences et Technologies, Université Assane Seck de Ziguinchor, BP 523, Ziguinchor, Sénégal

*b* Chimiothérapie Antiparasitaire, UMR 8076 CNRS BioCIS, Université Paris Saclay, Faculté de pharmacie, Bâtiment Henri Moissan 17, avenue des sciences, 91400 Orsay, France.

*c* Centre National de Référence du Paludisme, Hôpital Bichat-Claude Bernard, PHP, Paris, France.

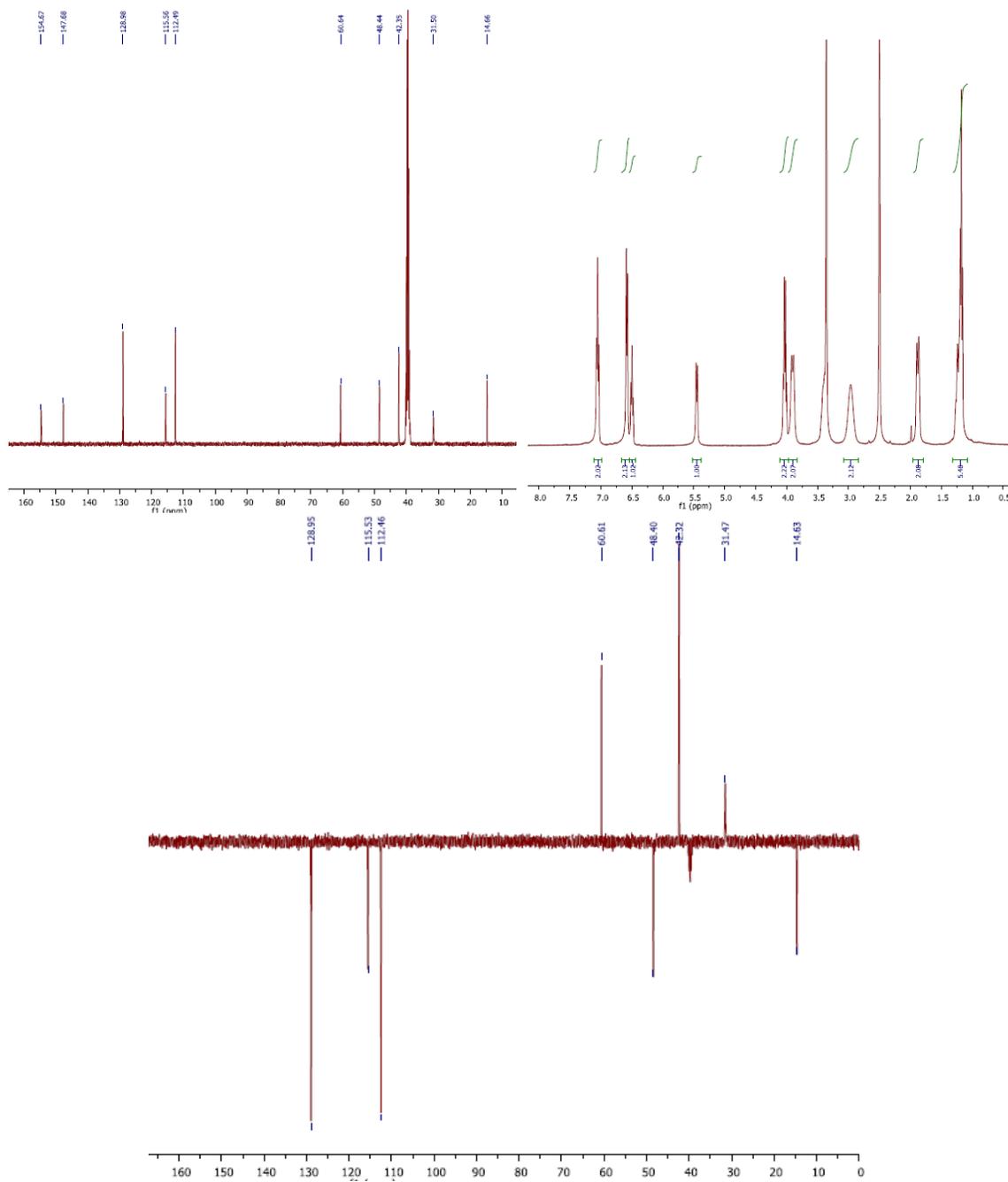
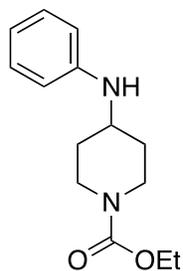
*d* Université Paris Est Créteil, CNRS, ICMPE, UMR 7182, 2 rue Henri Dunant, 94320 Thiais, France.

Email: [agassama@univ-zig.sn](mailto:agassama@univ-zig.sn), [m.t9@zig.univ.sn](mailto:m.t9@zig.univ.sn)

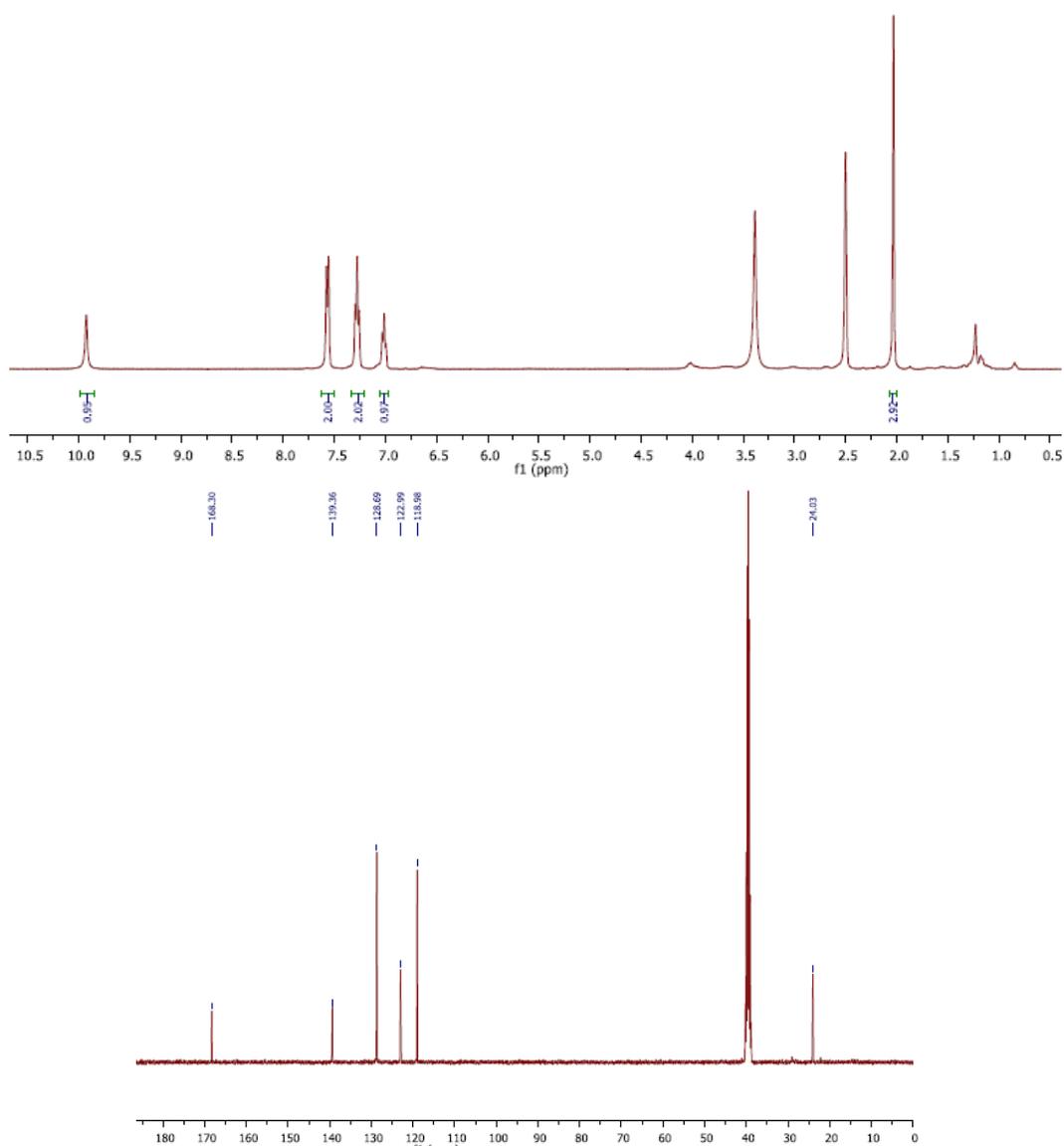
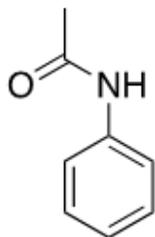
### Table of Contents

NMR spectra for compounds <b>3</b> , <b>4</b> , <b>6a-c</b> , <b>11a-c</b> .....	S2
--	----

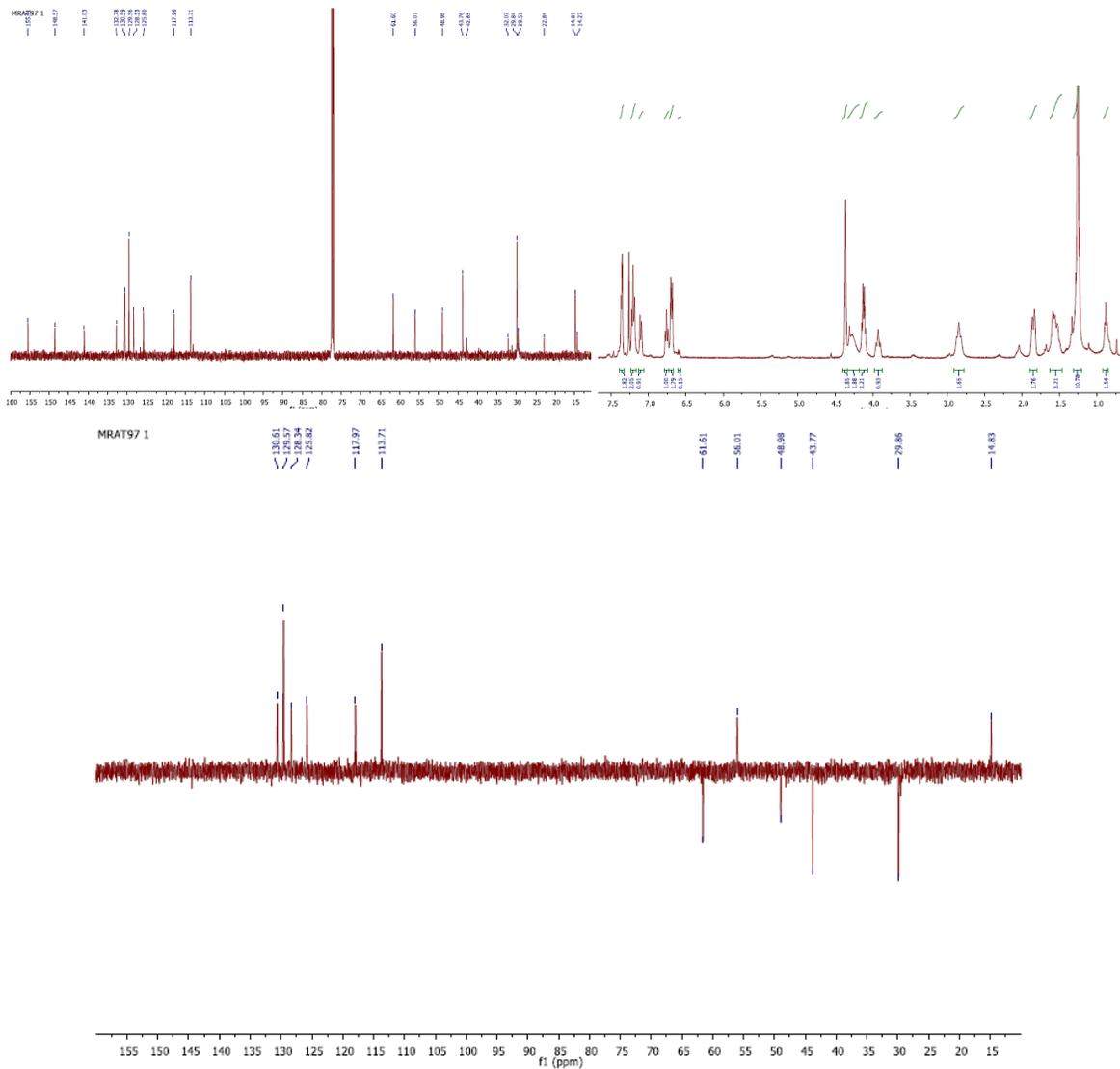
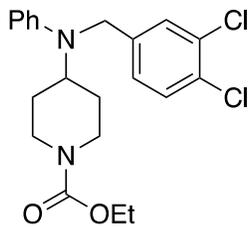
## Compound 3



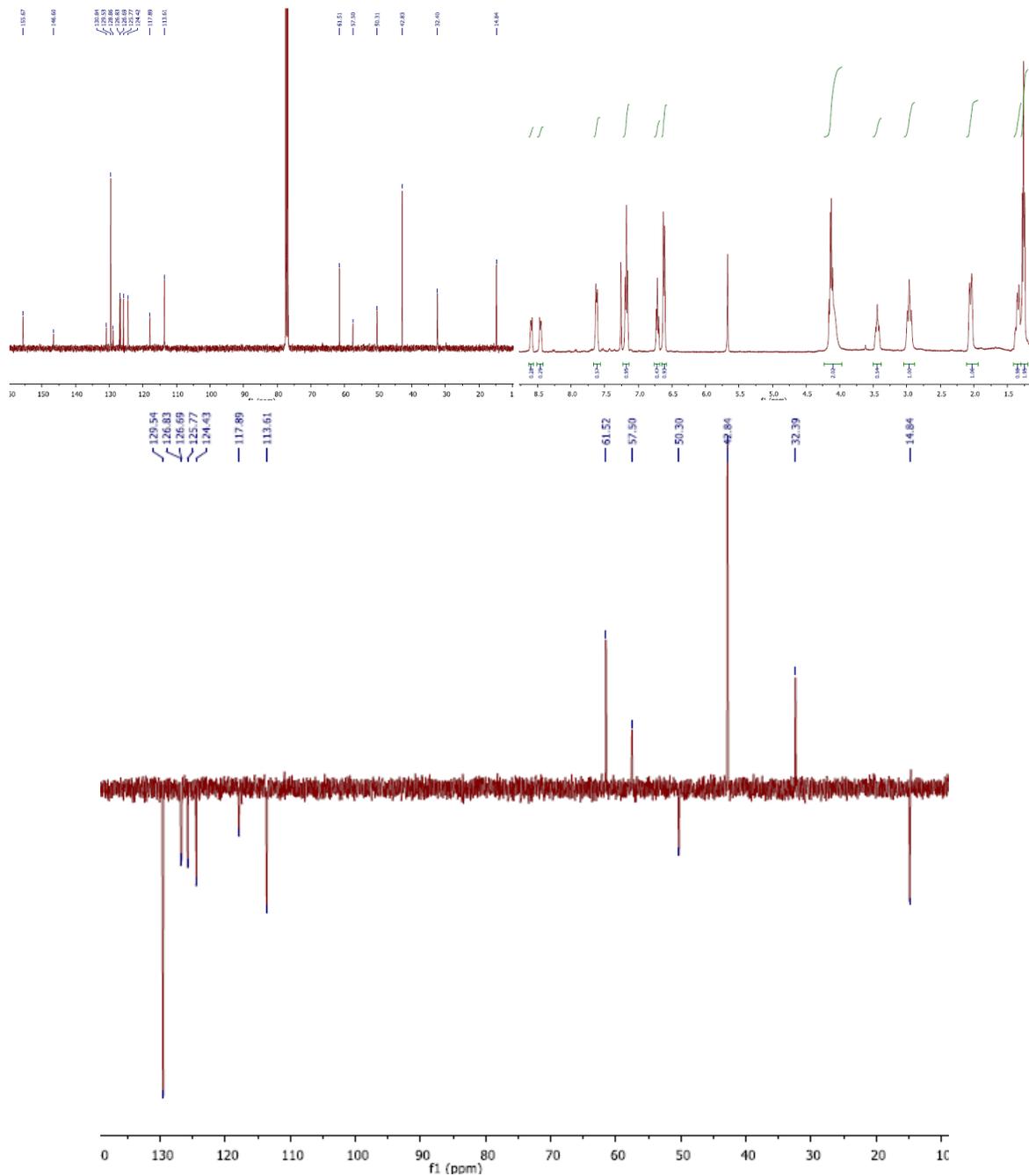
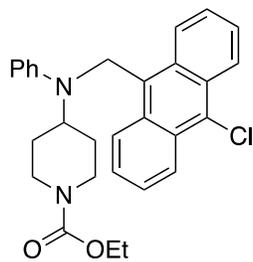
## Compound 4



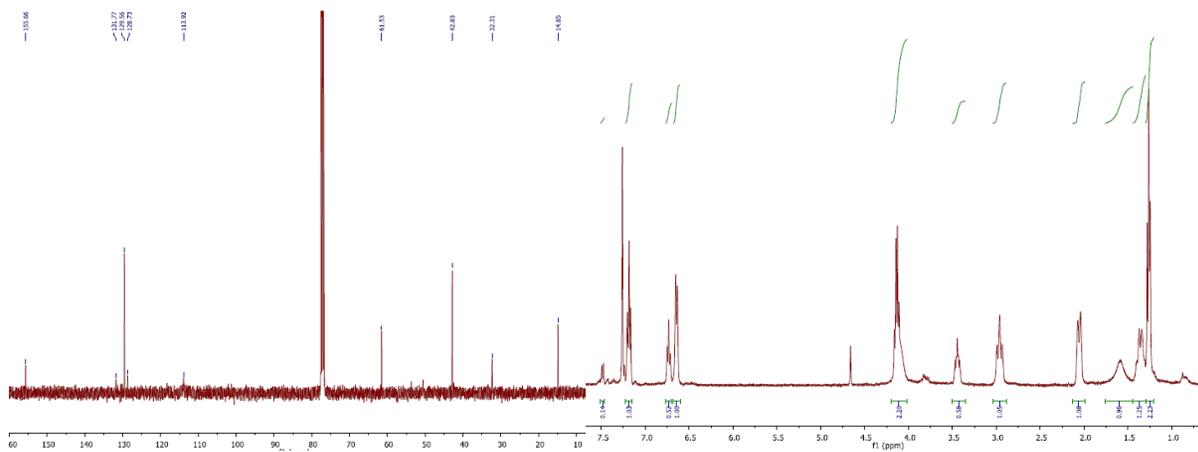
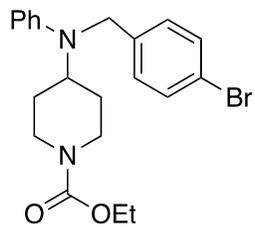
Compound 6a



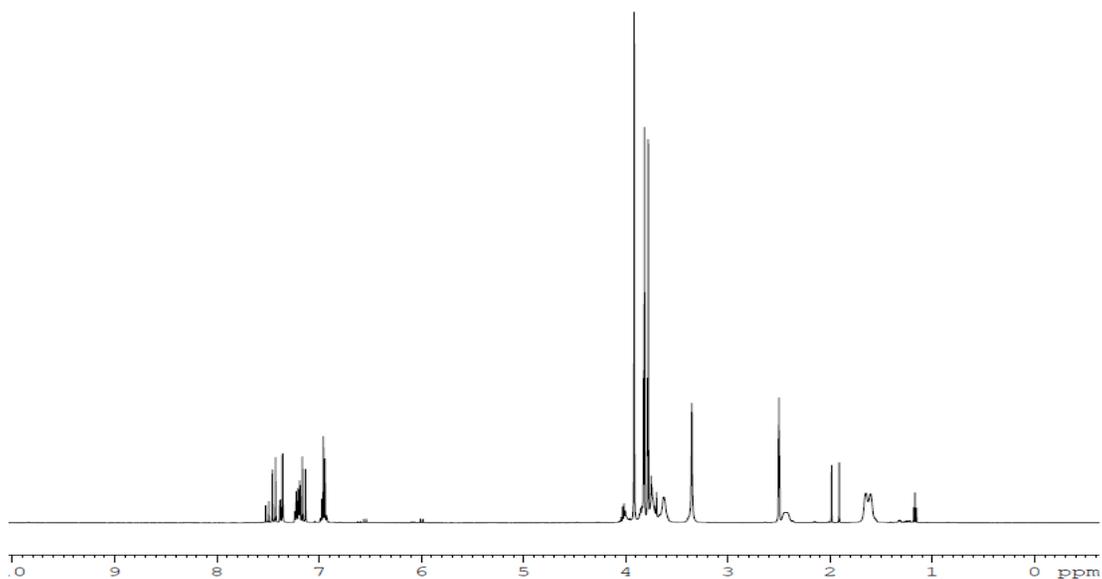
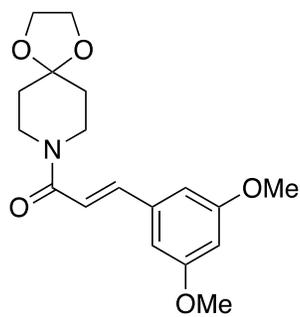
Compound 6b



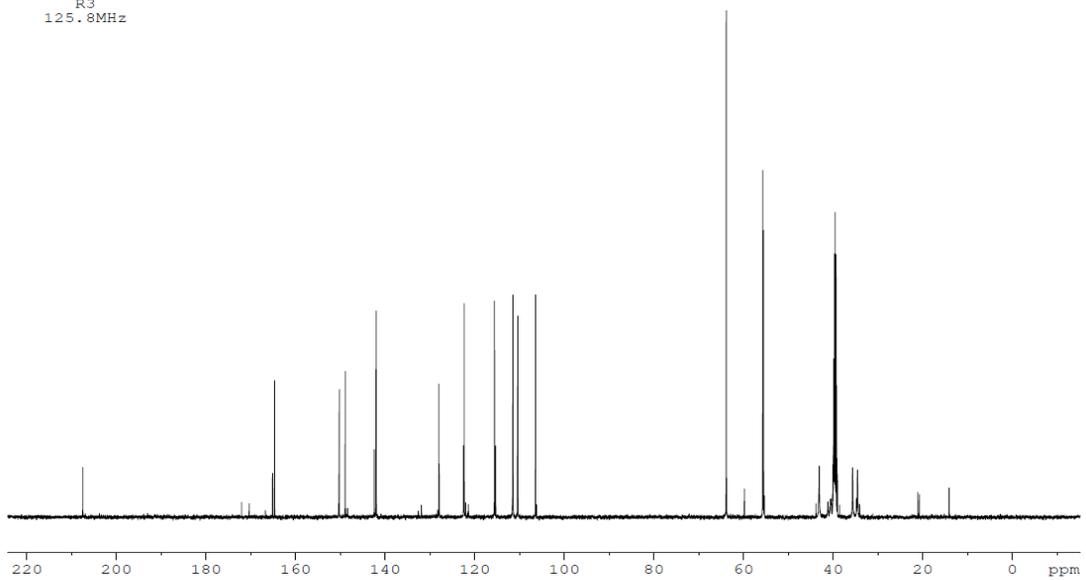
## Compound 6c



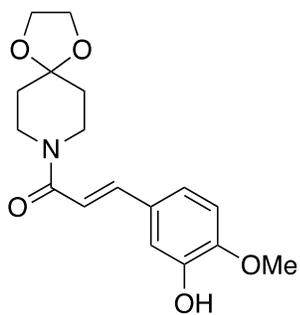
Compound 11a



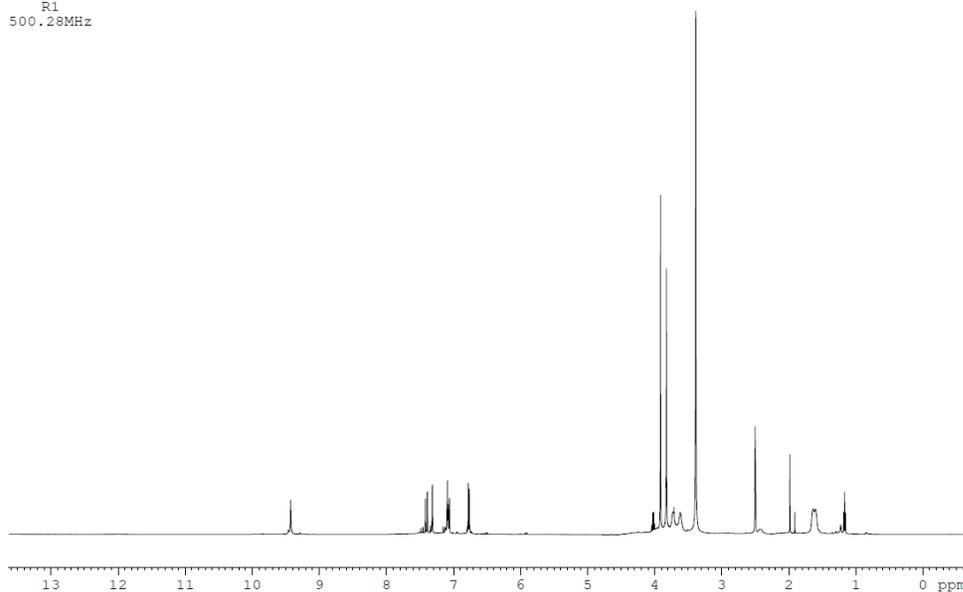
<sup>13</sup>C decouple 1H  
R3  
125.8MHz



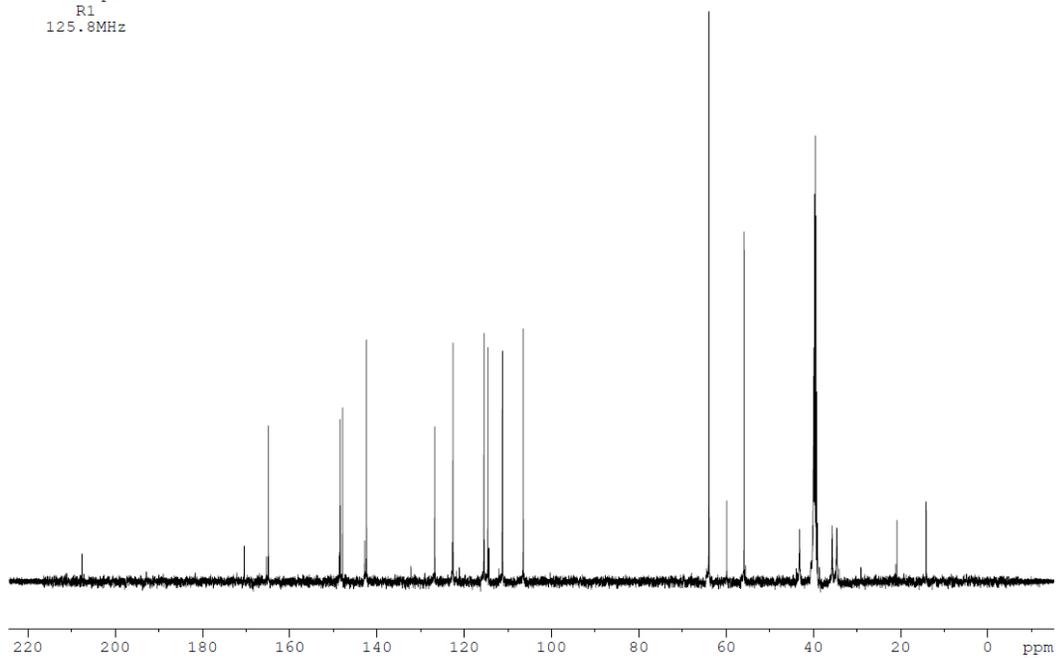
## Compound 11b

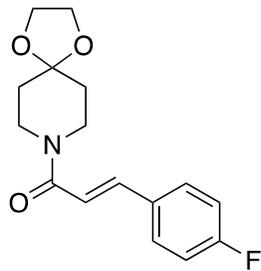


<sup>1</sup>H  
R1  
500.28MHz

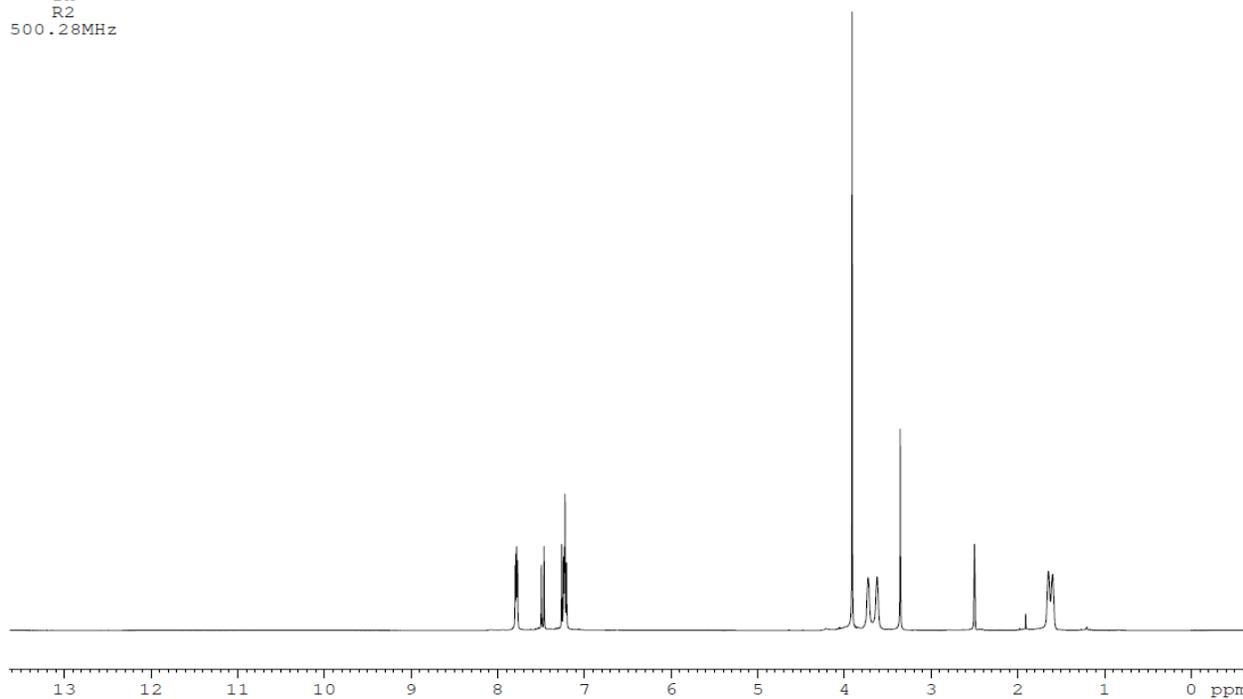


<sup>13</sup>C decouple <sup>1</sup>H  
R1  
125.8MHz





<sup>1</sup>H  
R2  
500.28MHz



<sup>13</sup>C decouple <sup>1</sup>H  
R2  
125.8MHz

