

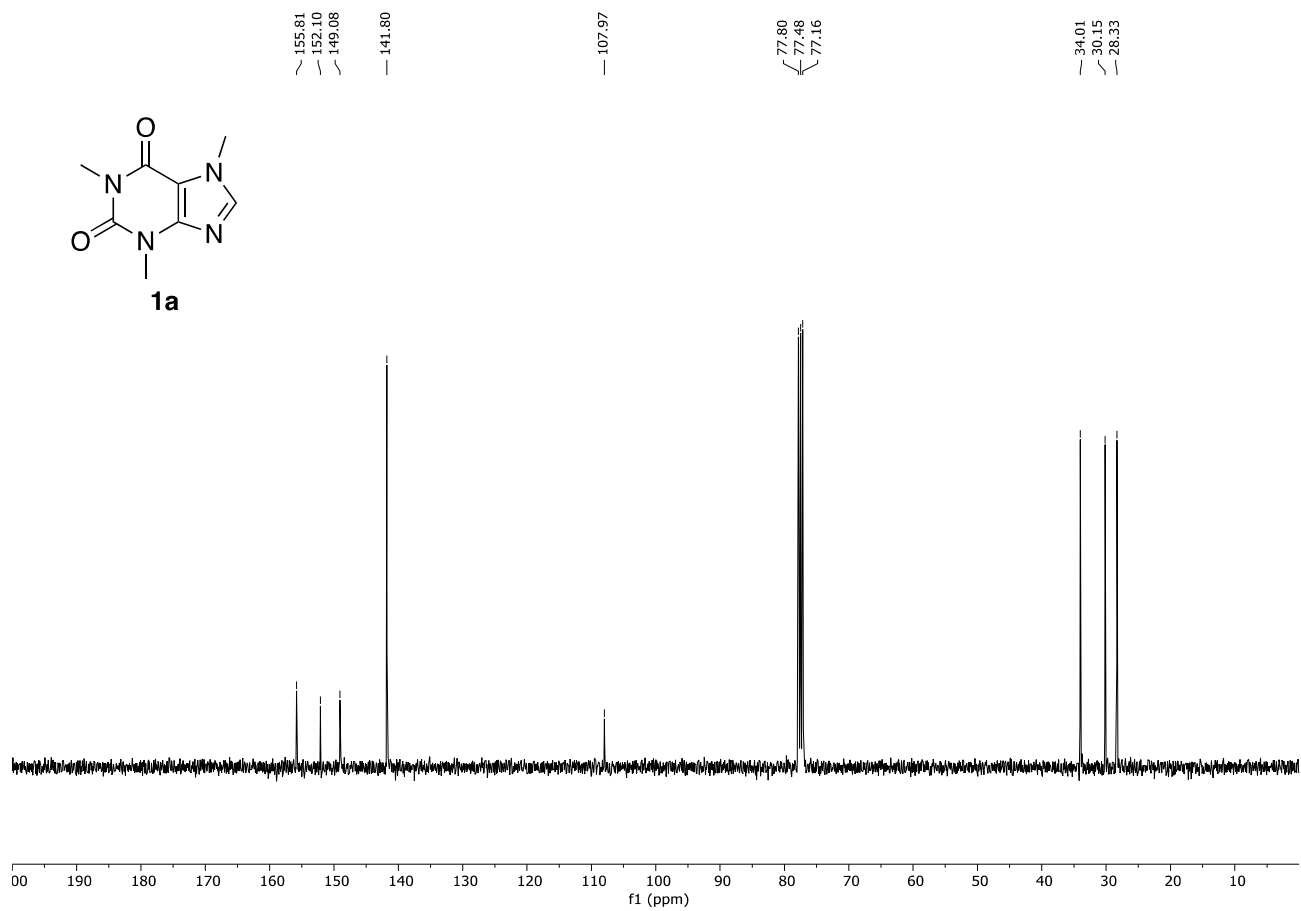
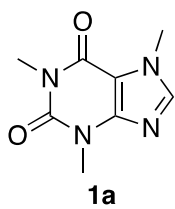
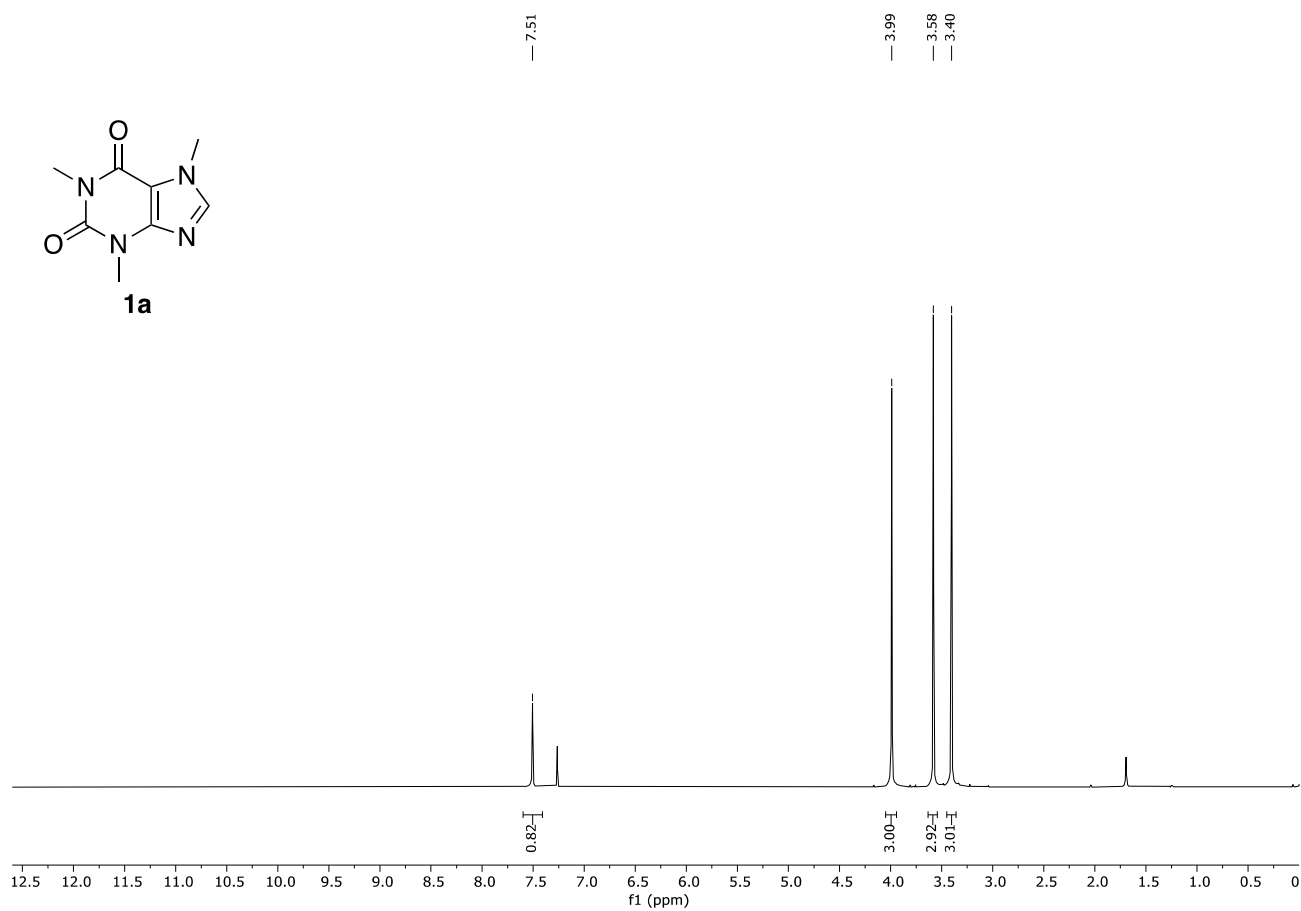
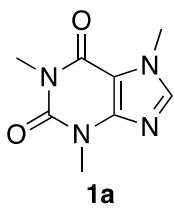
Q-Tube®-Assisted Alkylation and Arylation of Xanthenes and Other N-H-Containing Heterocycles in Water

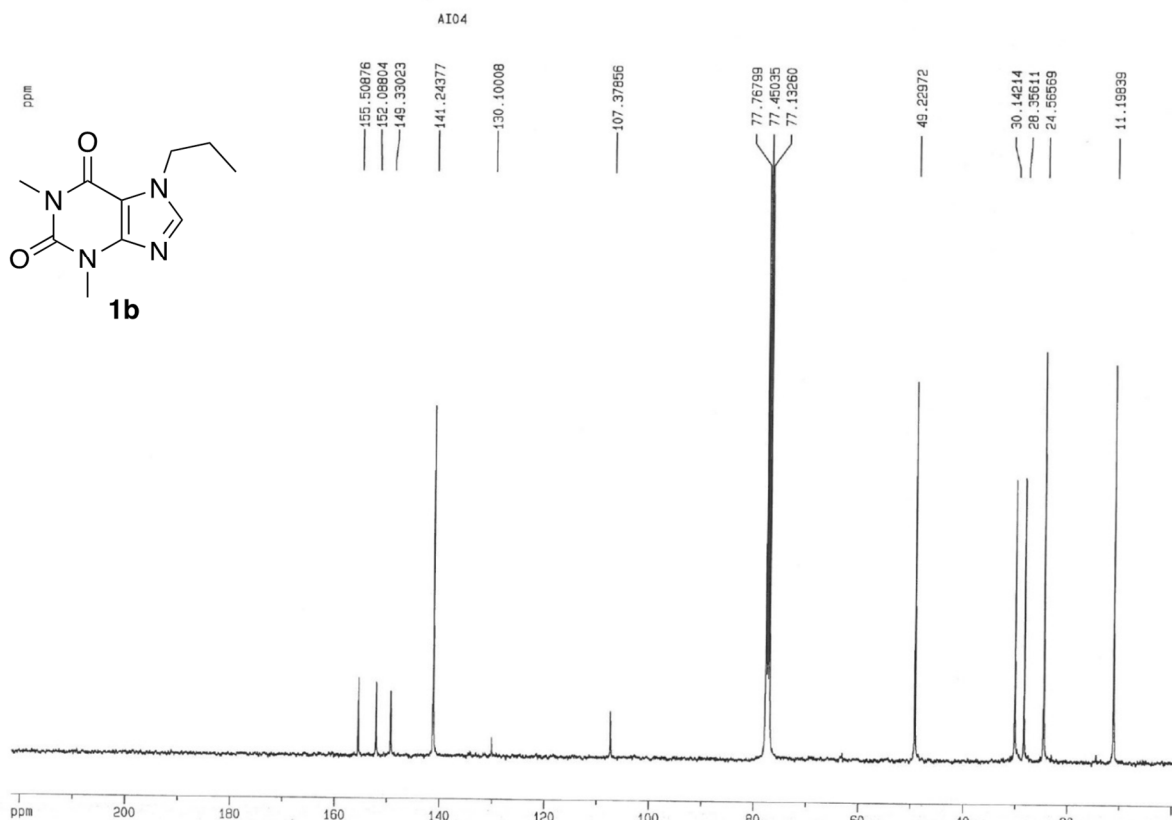
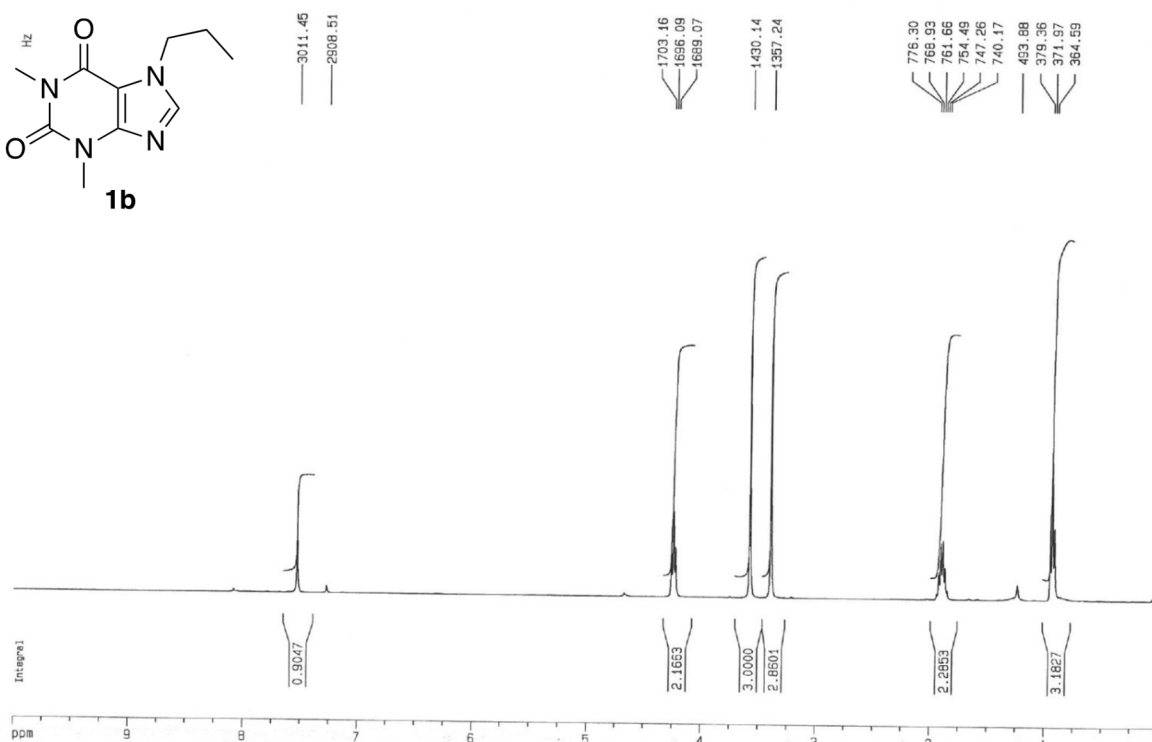
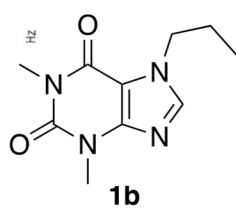
Cecilia Scimmi ¹, Margherita Cardinali ¹, Laura Abenante ^{1,2}, Marina Amatista ¹, Francesca Giulia Nacca ^{1,3}, Eder J Lenardao ², Luca Sancineto ^{1,*} and Claudio Santi ^{1,*}

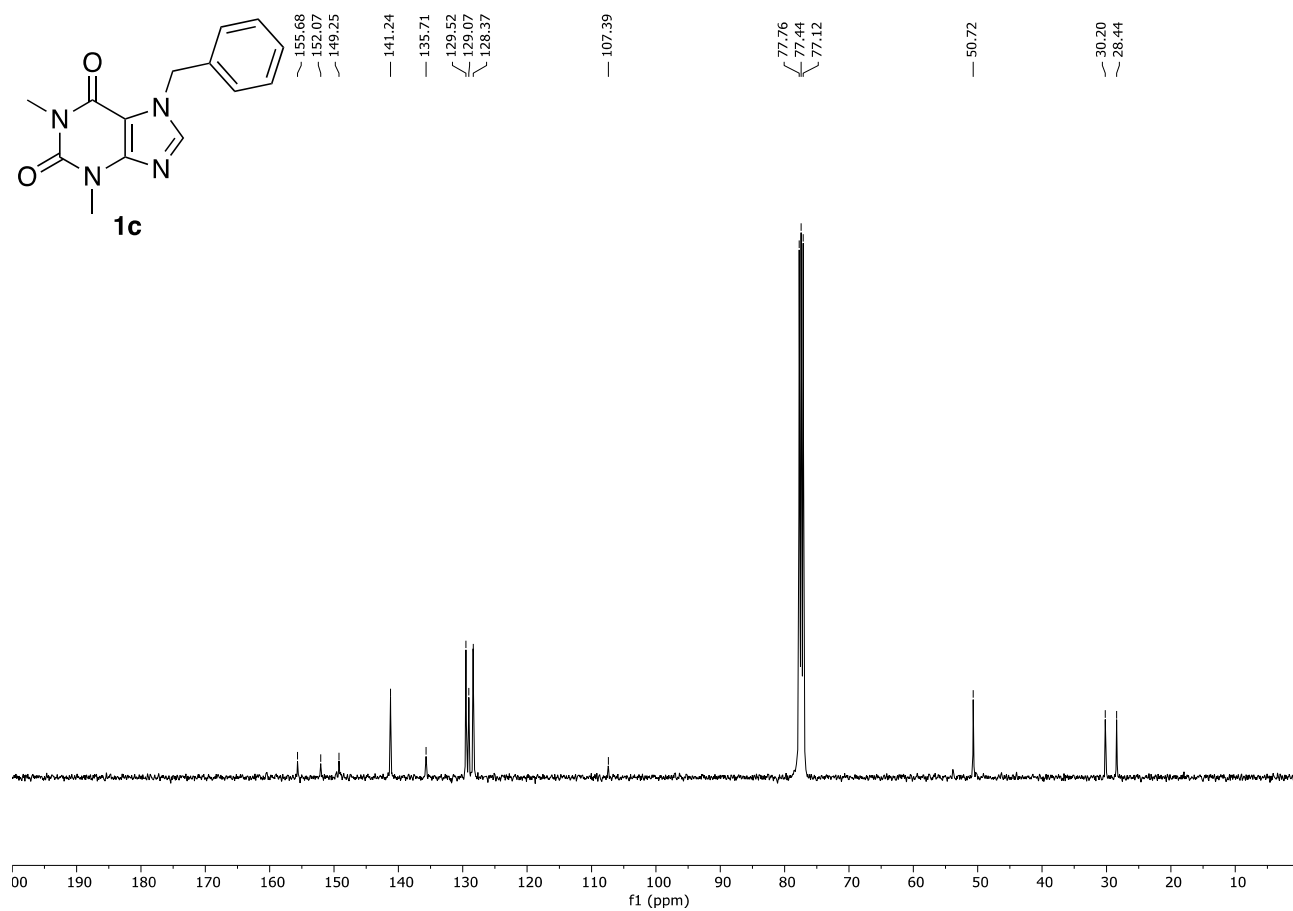
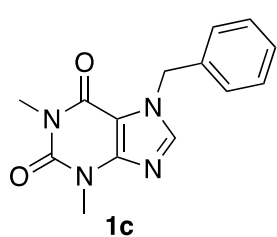
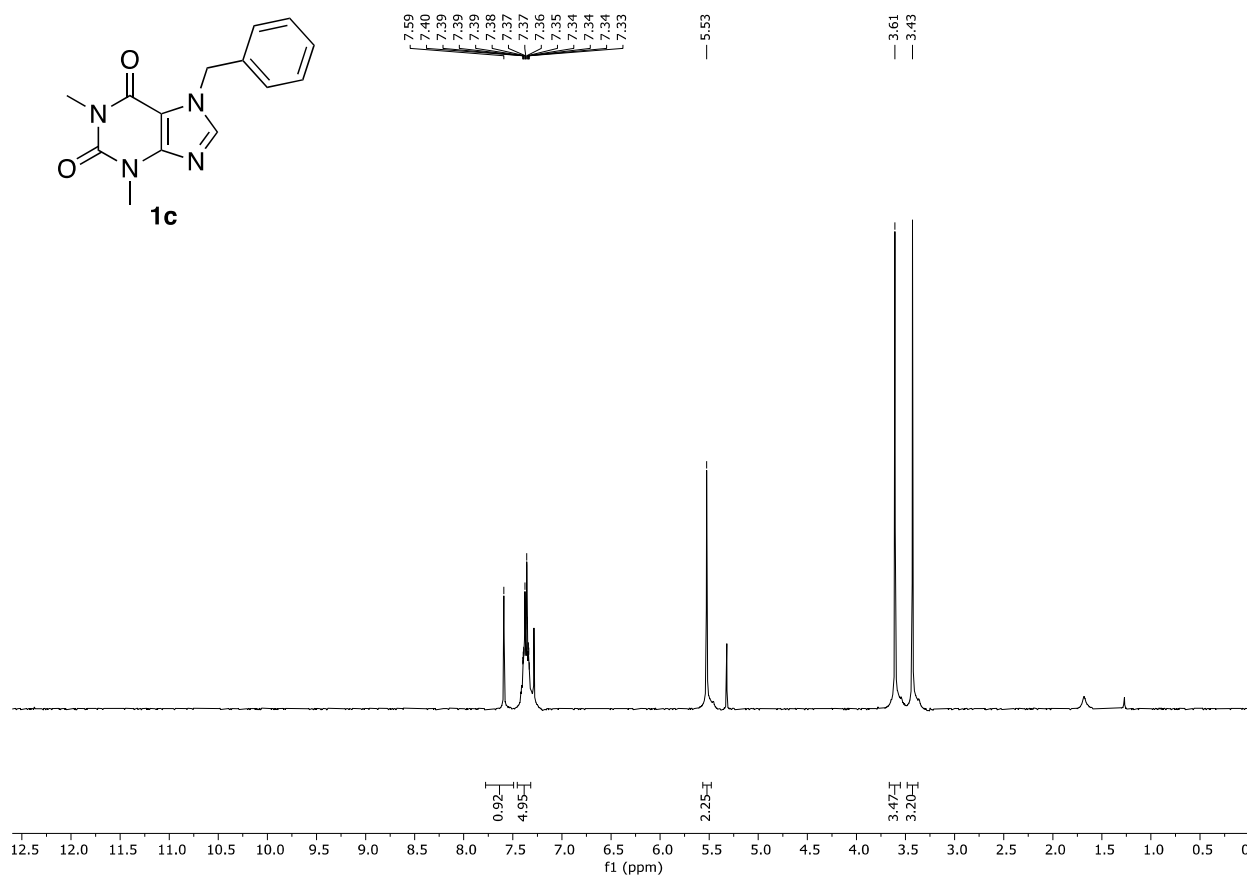
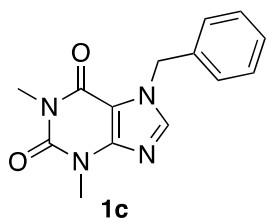
- ¹ Group of Catalysis, Synthesis and Organic Green Chemistry, Department of Pharmaceutical Sciences, University of Perugia Via del Liceo 1, Perugia 06100, Italy;
cecilia.scimmi@studenti.unipg.it (C.S.); margherita.cardinali@studenti.unipg.it (M.C.);
laura.abenante2018@gmail.com (L.A.); Amatista.marina17@gmail.com (M.A.);
nacca.francescagiulia@gmail.com (F.G.N.)
- ² Laboratorio de Sintese Organica Limpa—LASOL, CCQFA, Universidade Federal de Pelotas—UFPel, P.O. Box 354, Pelotas 96010-900, Brazil; lenardao@ufpel.edu.br
- ³ Centre for Synthesis and Chemical Biology, School of Chemistry, University College Dublin, Dublin D04, N2E5, Ireland
- * Correspondence: luca.sancineto@unipg.it (L.S.); claudio.santi@unipg.it (C.S.)

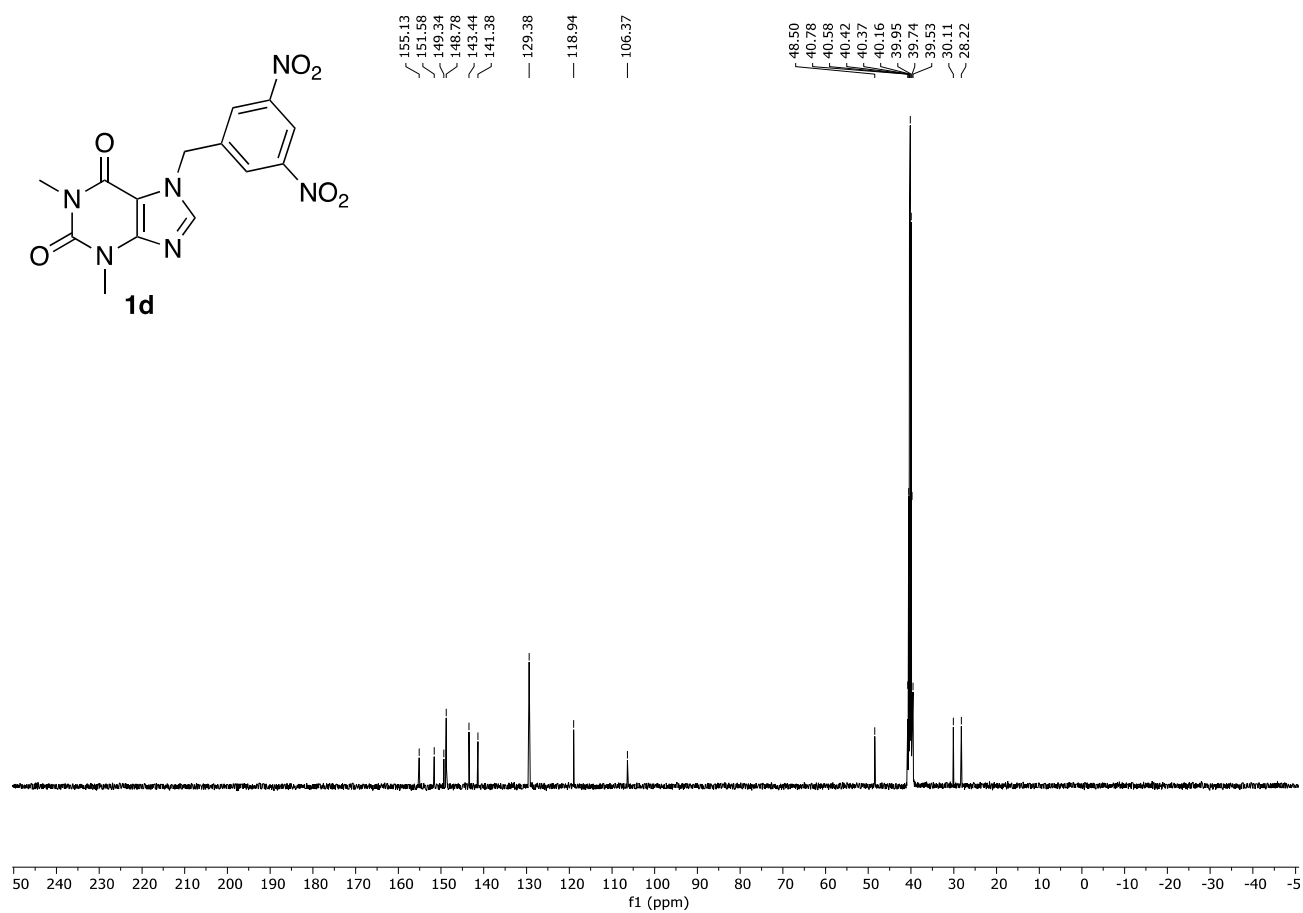
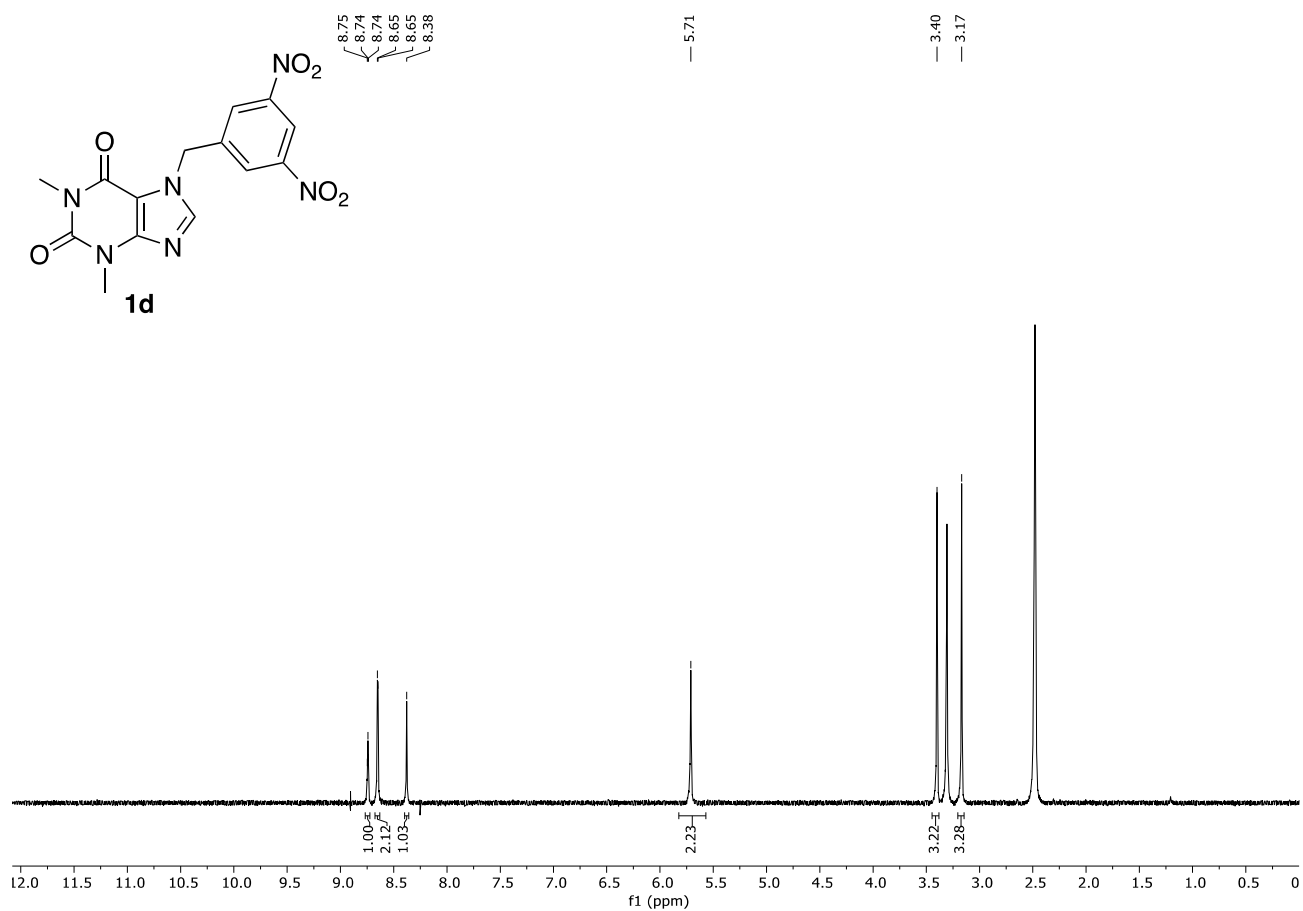
Copies of ¹H and ¹³C NMR and HRMS spectra

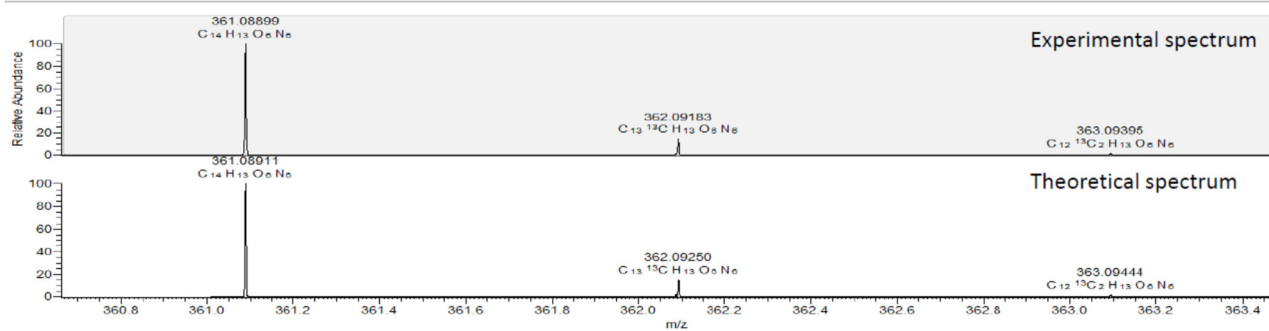
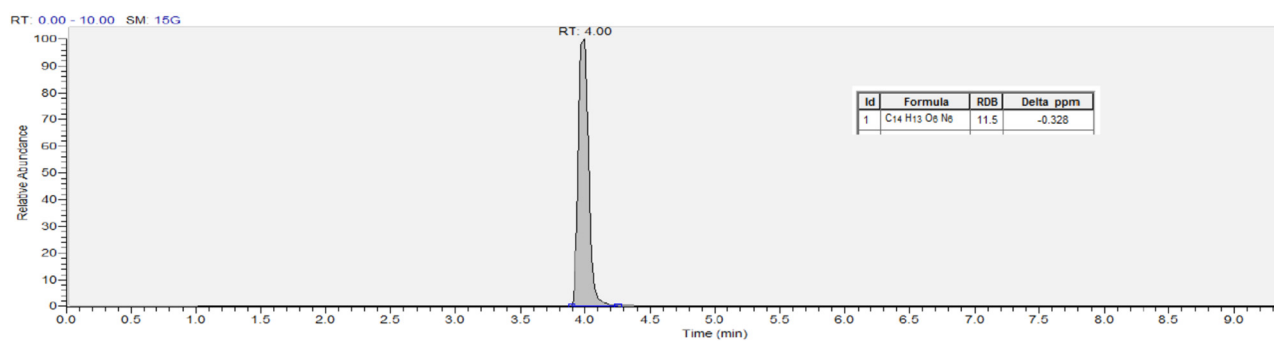
S2

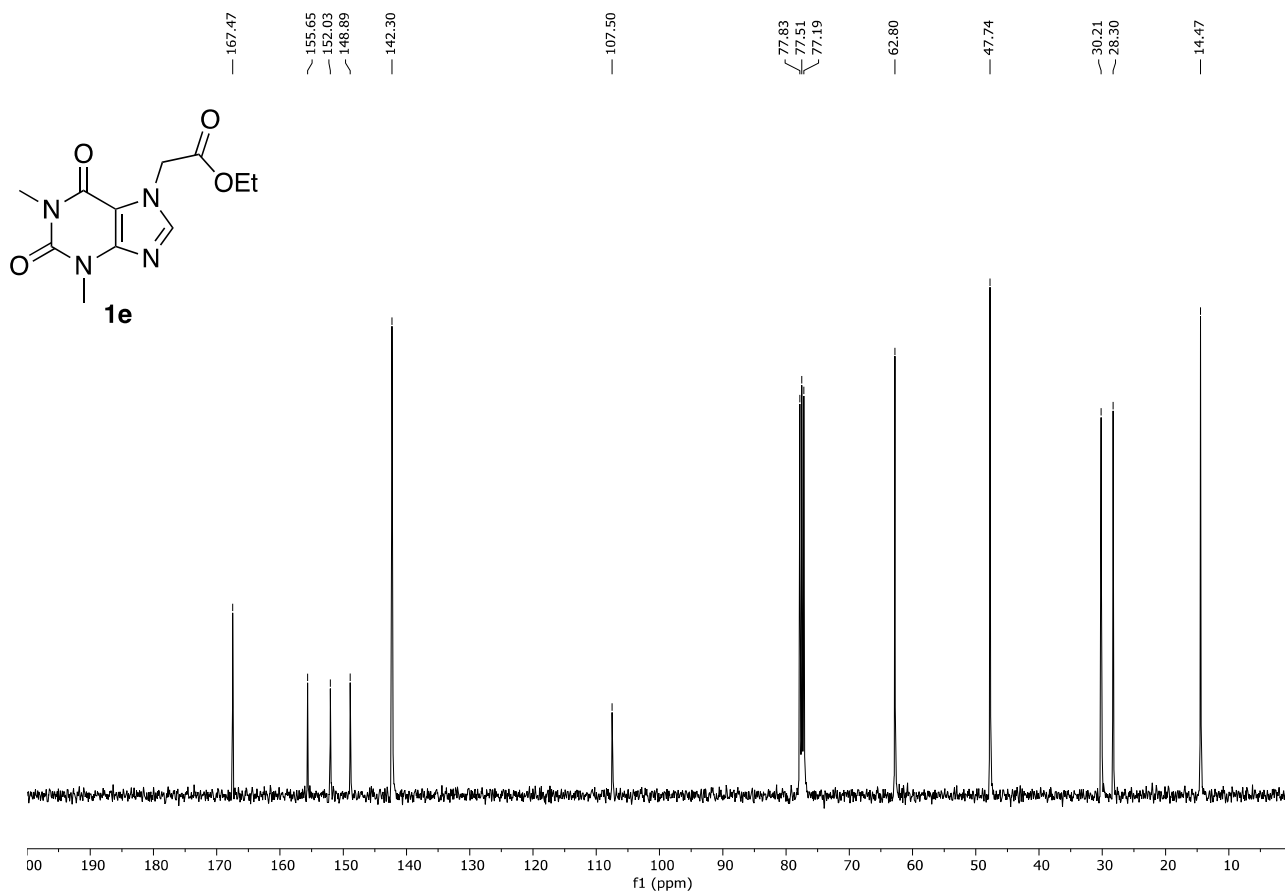
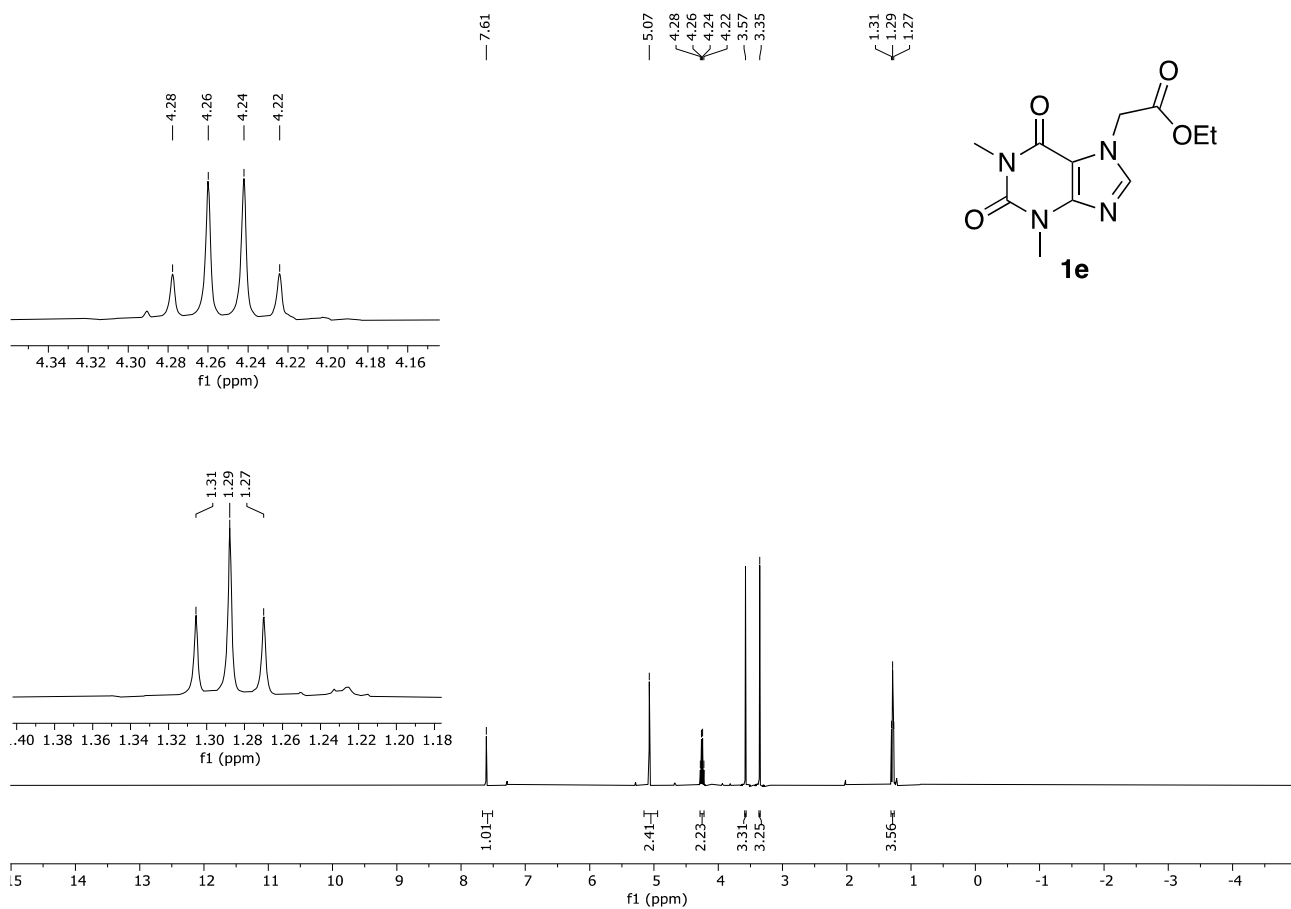


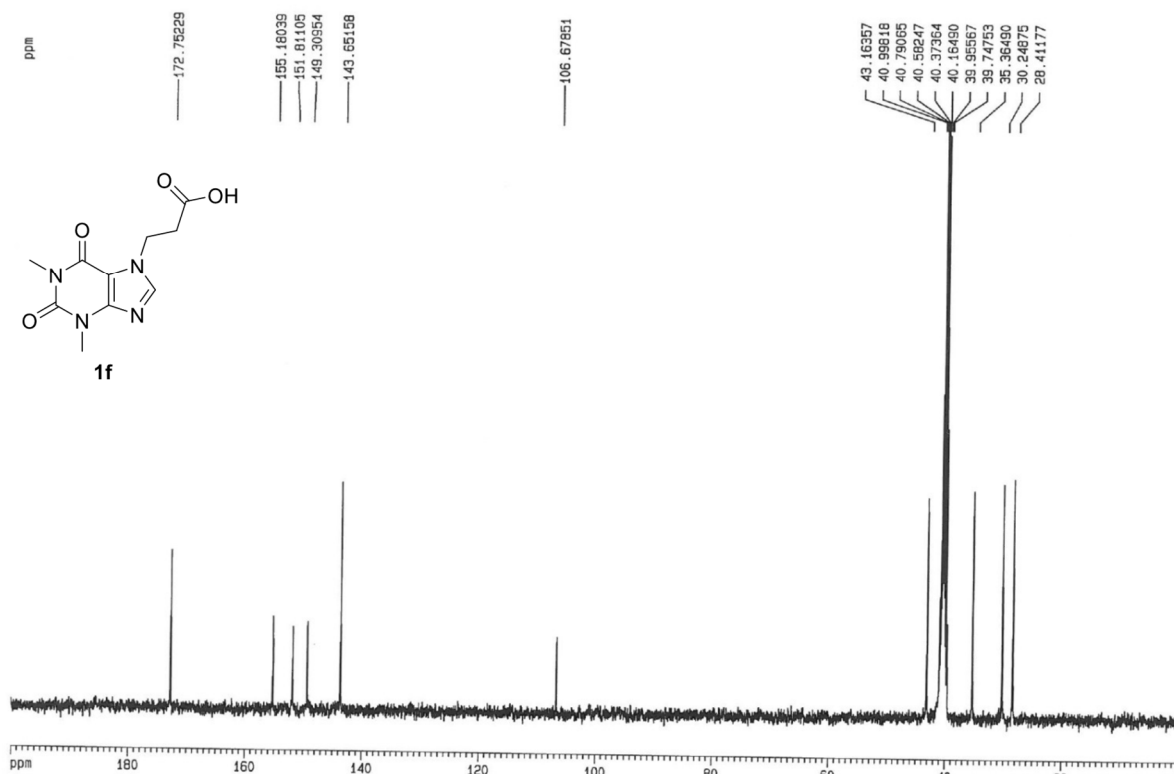
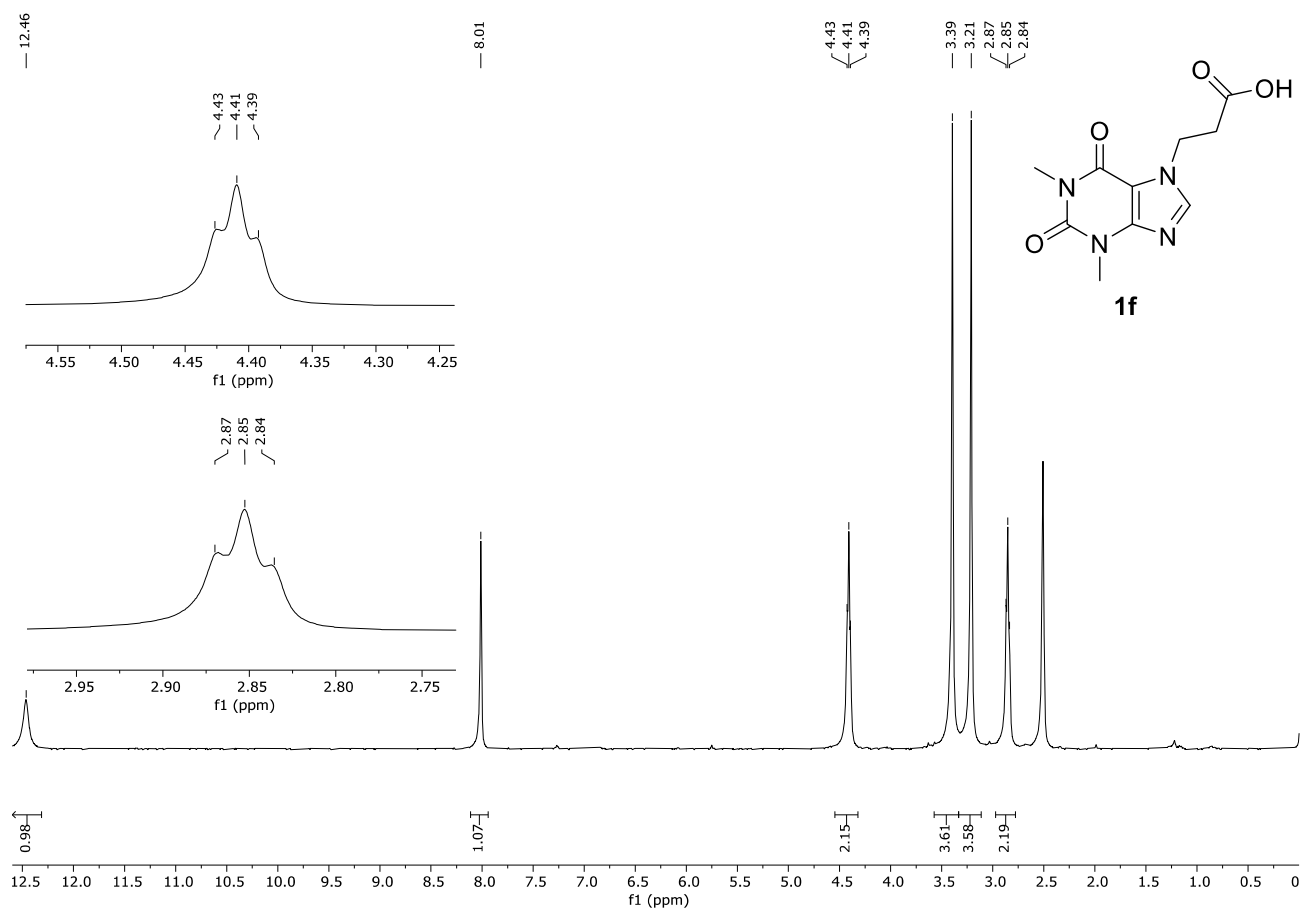


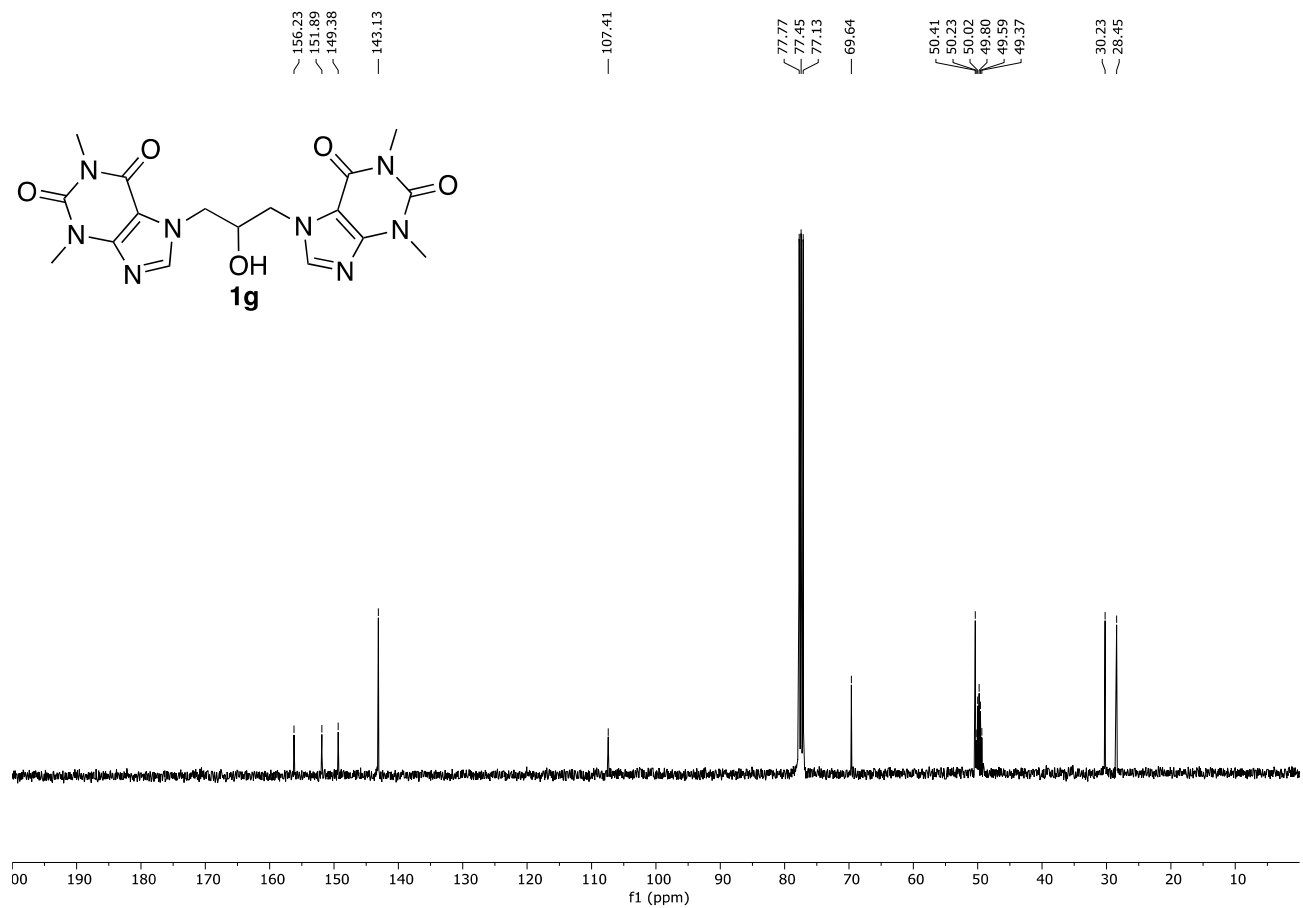
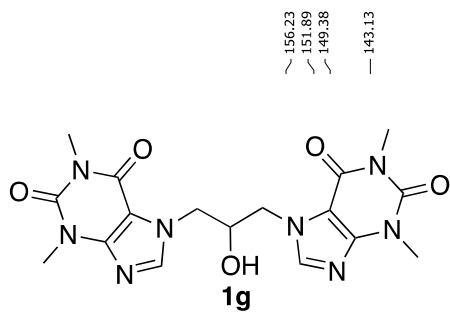
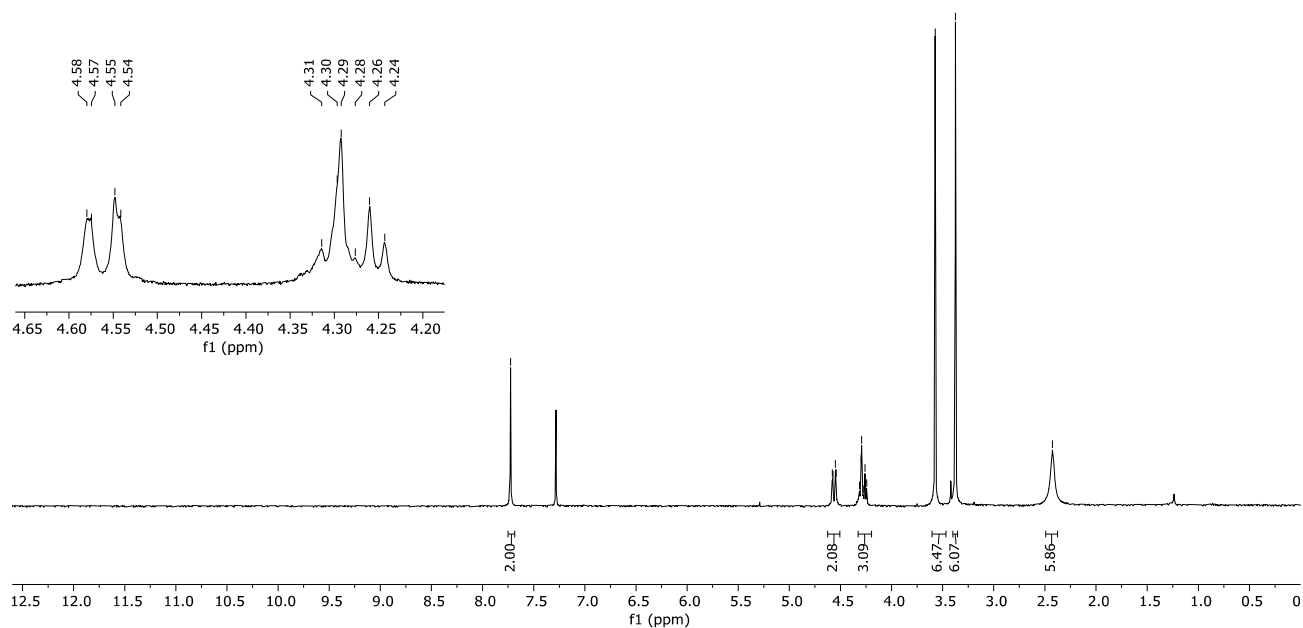
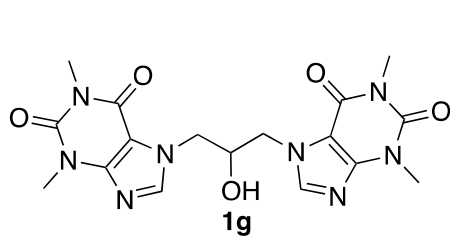


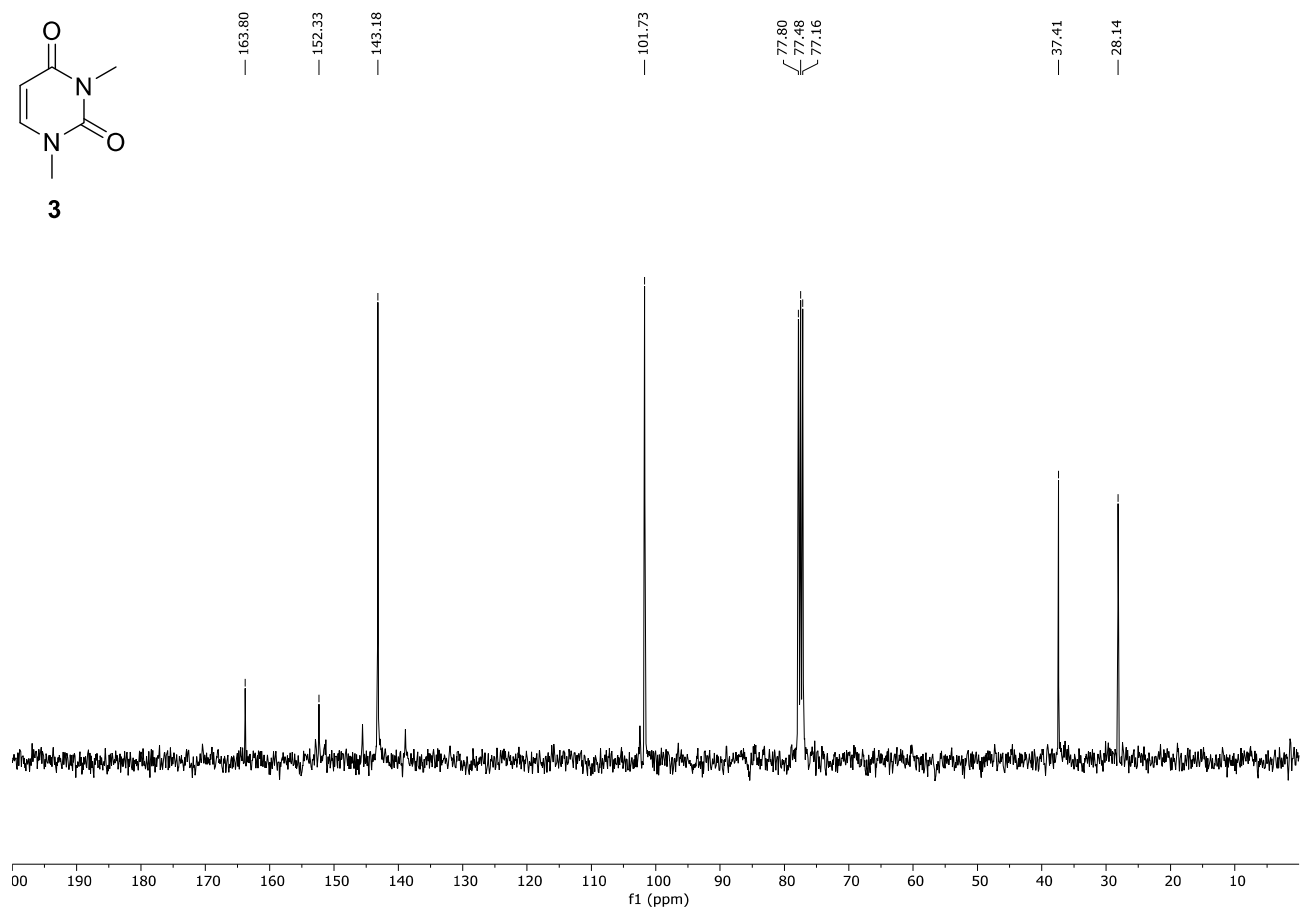
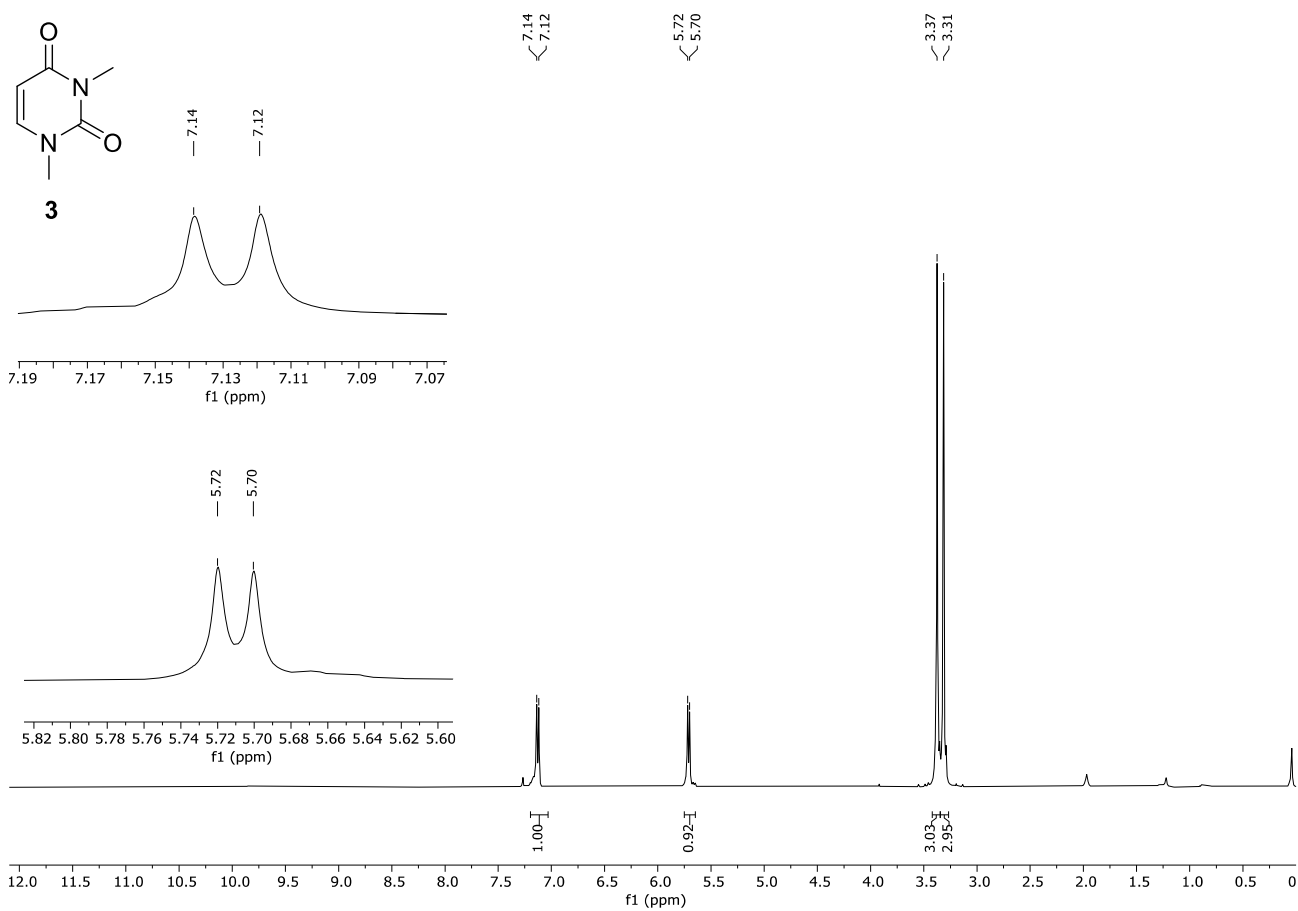


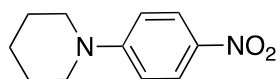




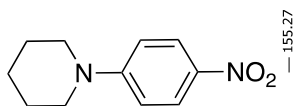
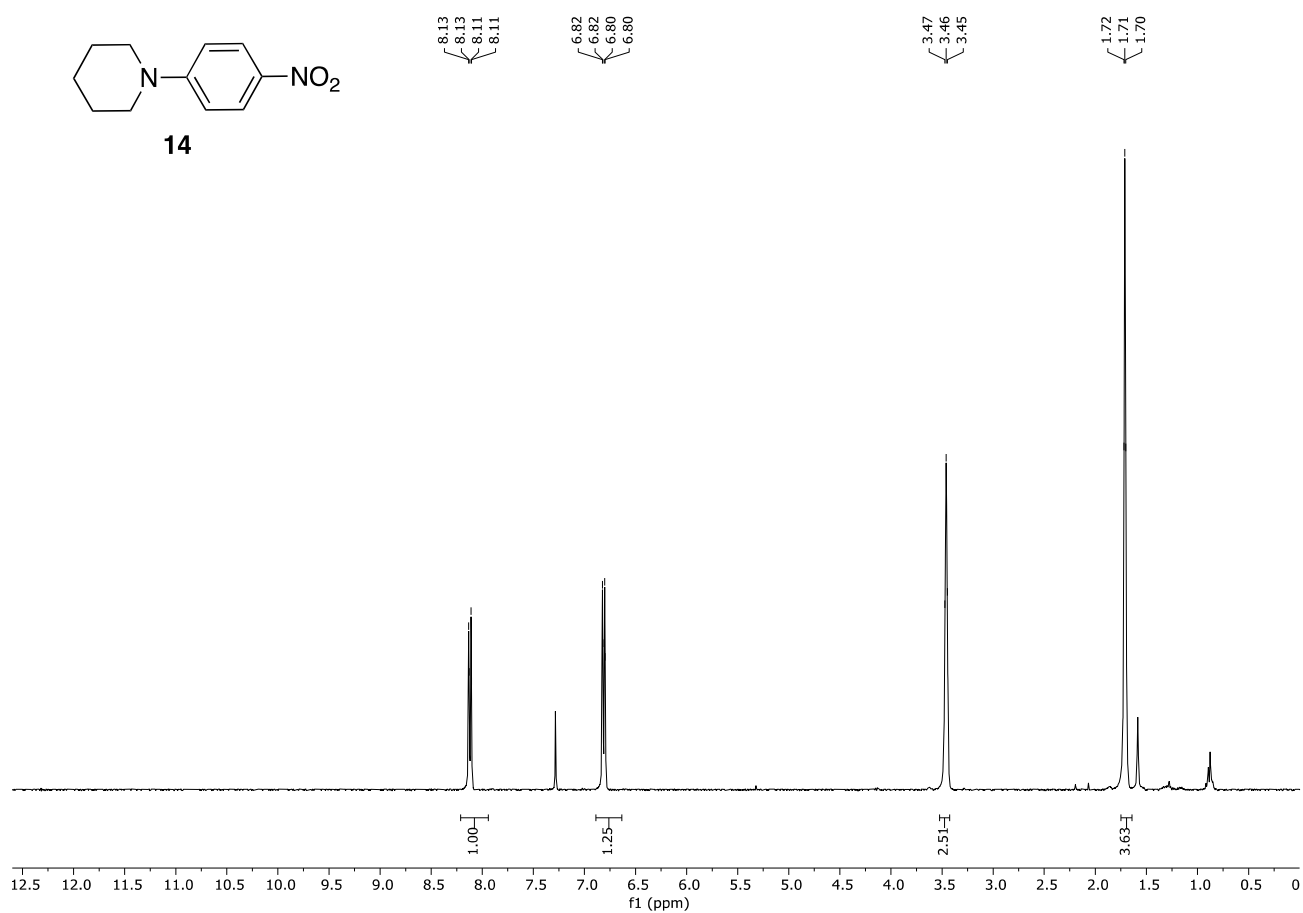




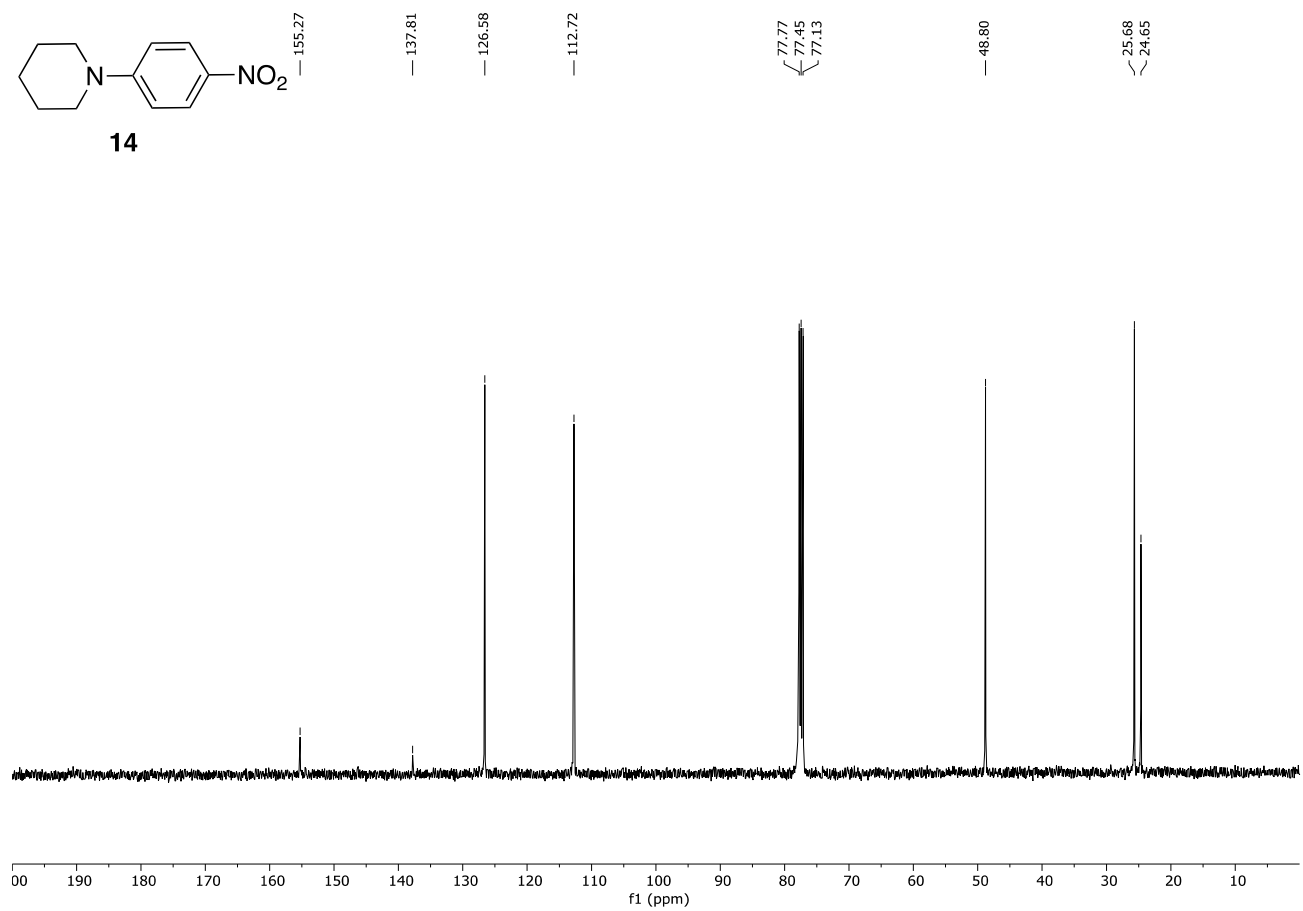


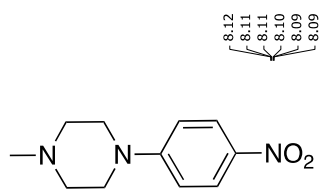


14

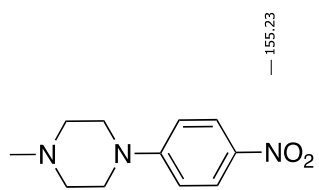
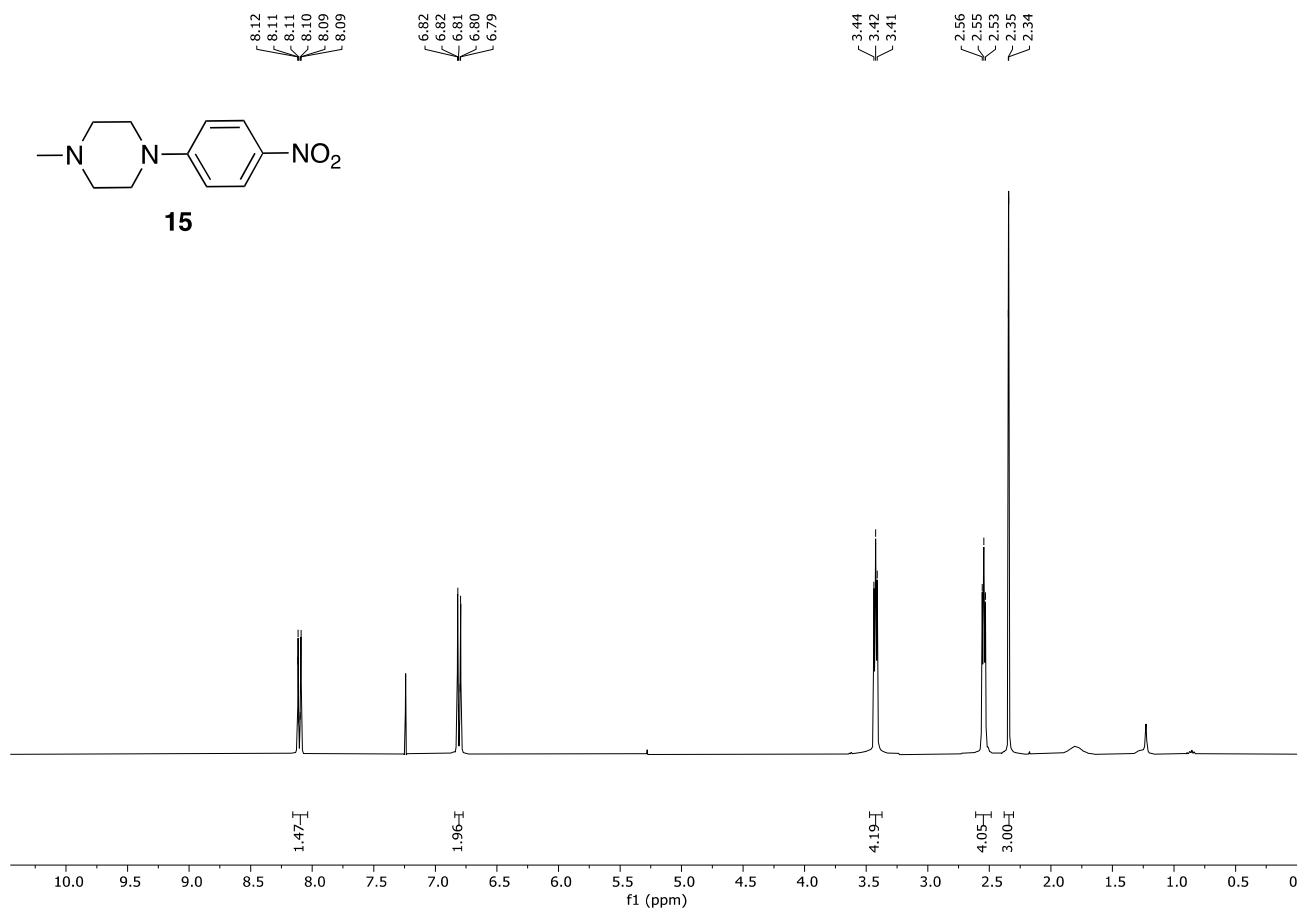


14





15



15

