

## Supporting Information

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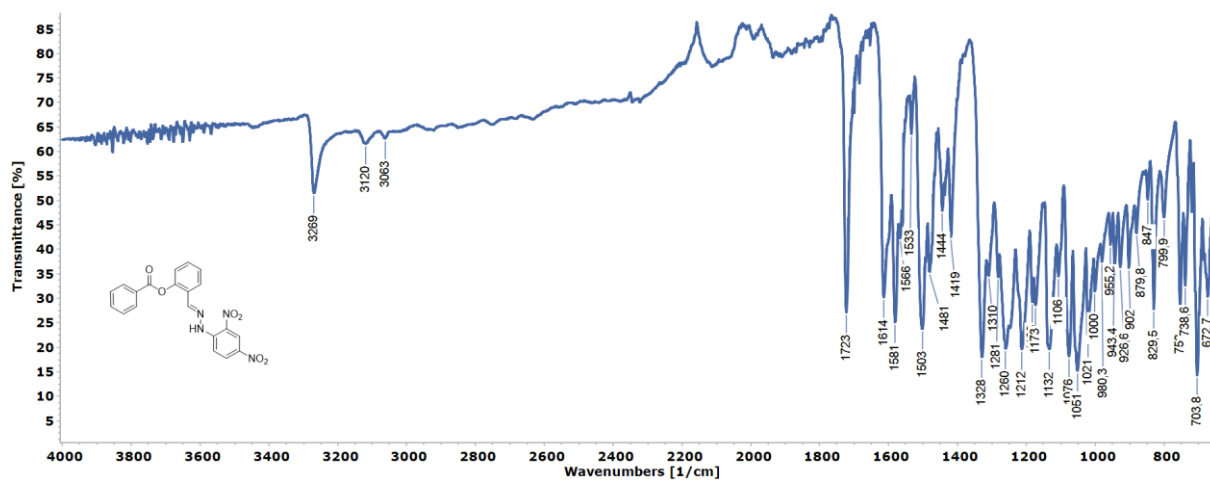
### Syntheses of some hydrazones derived from 2-(aryloyloxy) benzaldehydes and 2,4-dinitrophenylhydrazine and evaluation of their anticholinesterase and antioxidant activities

Ercan Çınar <sup>1</sup> and Giray Topal <sup>2</sup>

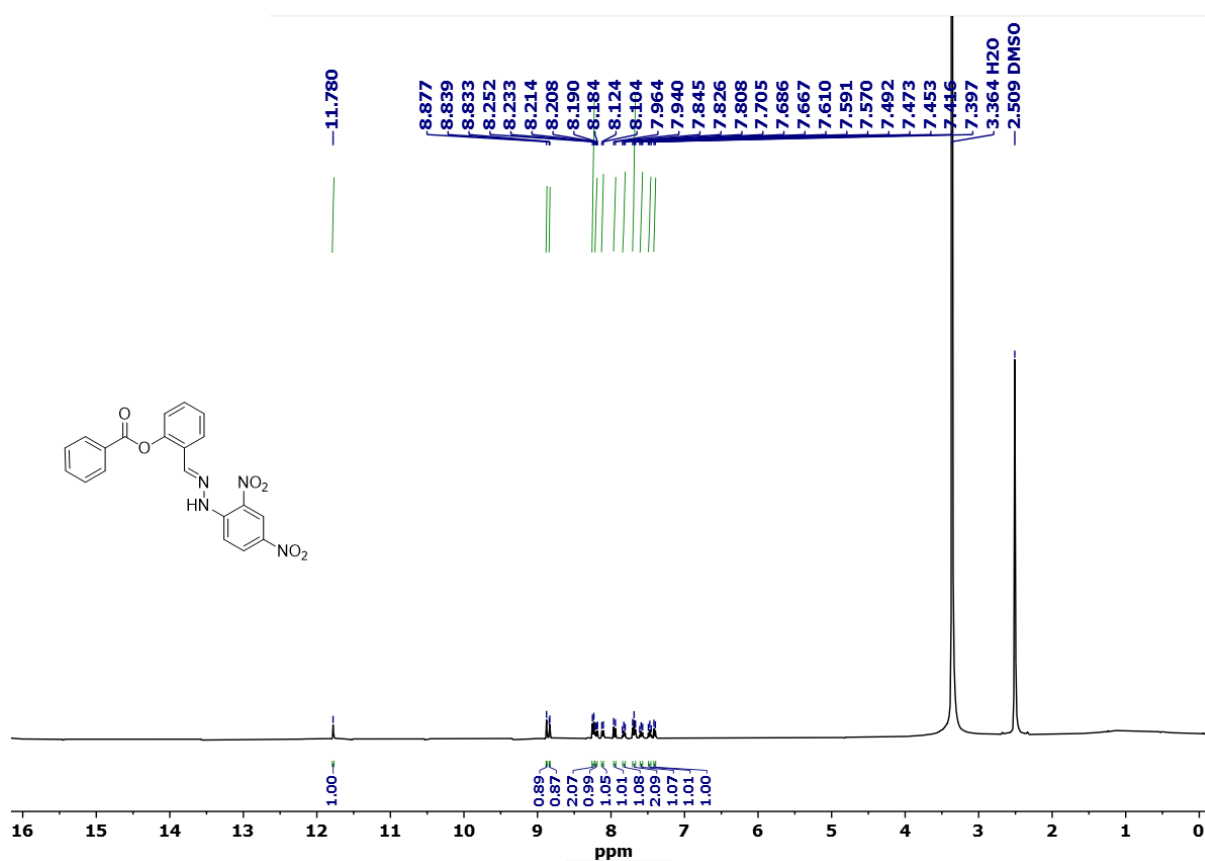
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<sup>2</sup> Ziya Gökalp Faculty of Education, Department of Chemistry, Dicle University, Diyarbakır, Türkiye

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**Figure S1:** IR spectrum of (*E*)-2-((2-(2,4-Dinitrophenyl)hydrazono)methyl)phenyl benzoate (**2a**)



**Figure S2:**  $^1\text{H}$  NMR spectrum of (*E*)-2-((2-(2,4-Dinitrophenyl)hydrazono)methyl)phenyl benzoate (**2a**)

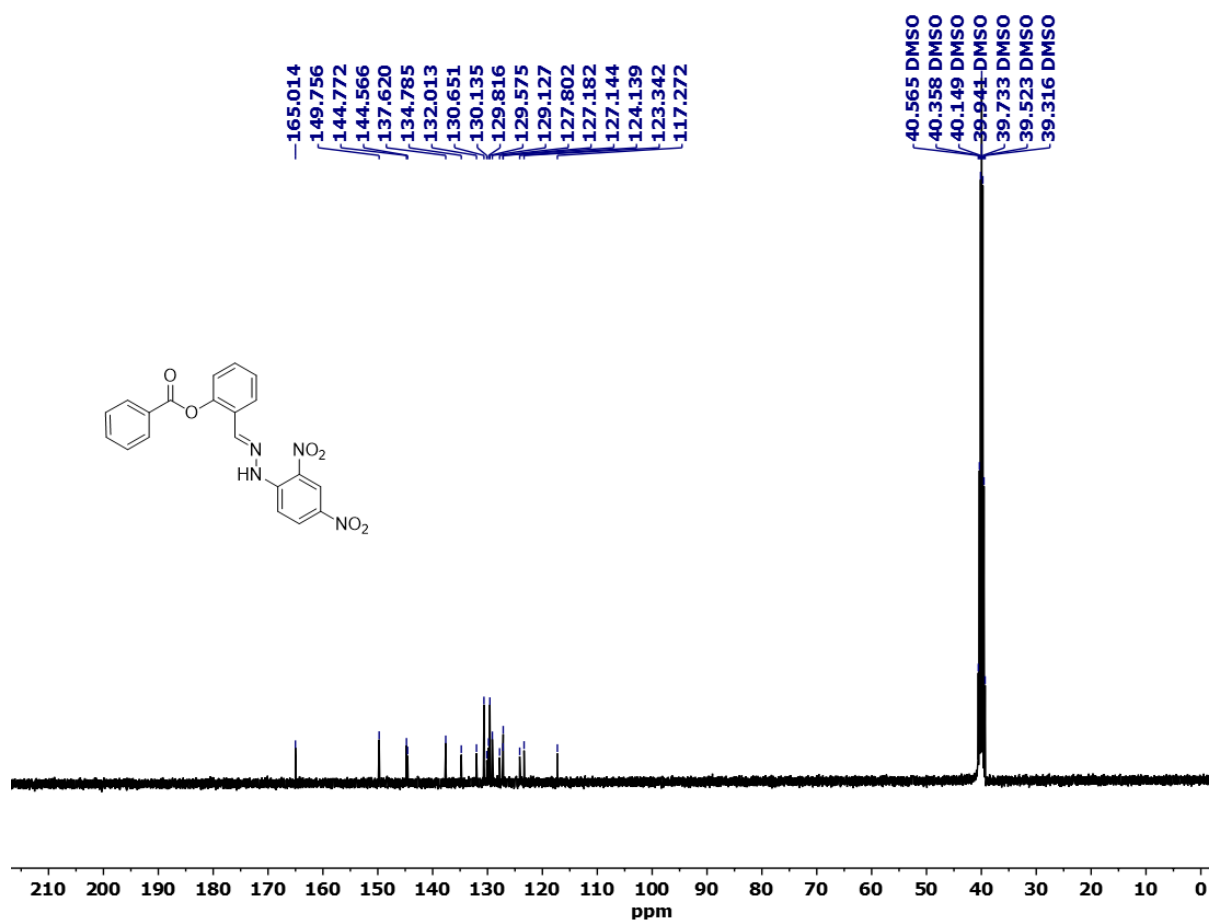


Figure S3: <sup>13</sup>C NMR spectrum of (*E*)-2-((2-(2,4-Dinitrophenyl)hydrazono)methyl)phenyl benzoate (**2a**)

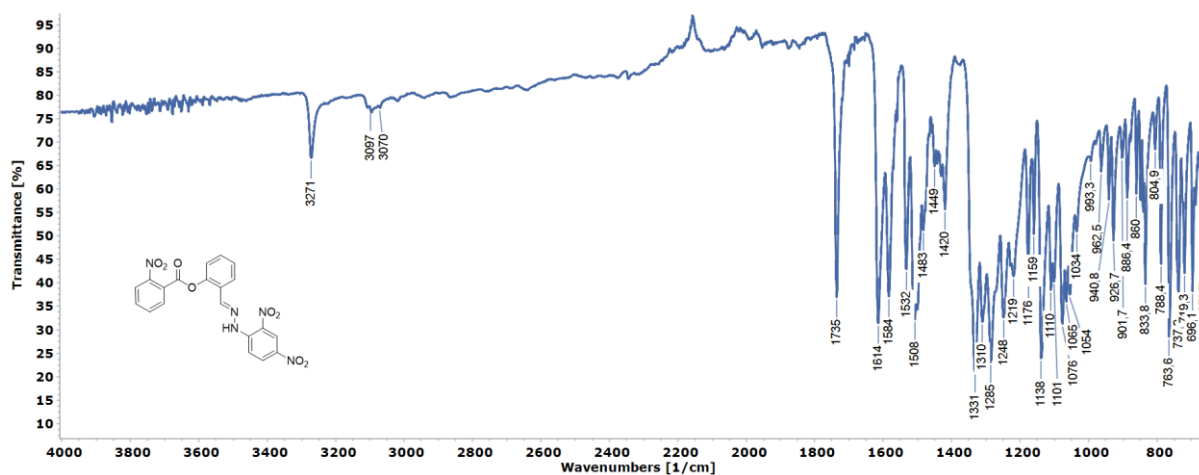
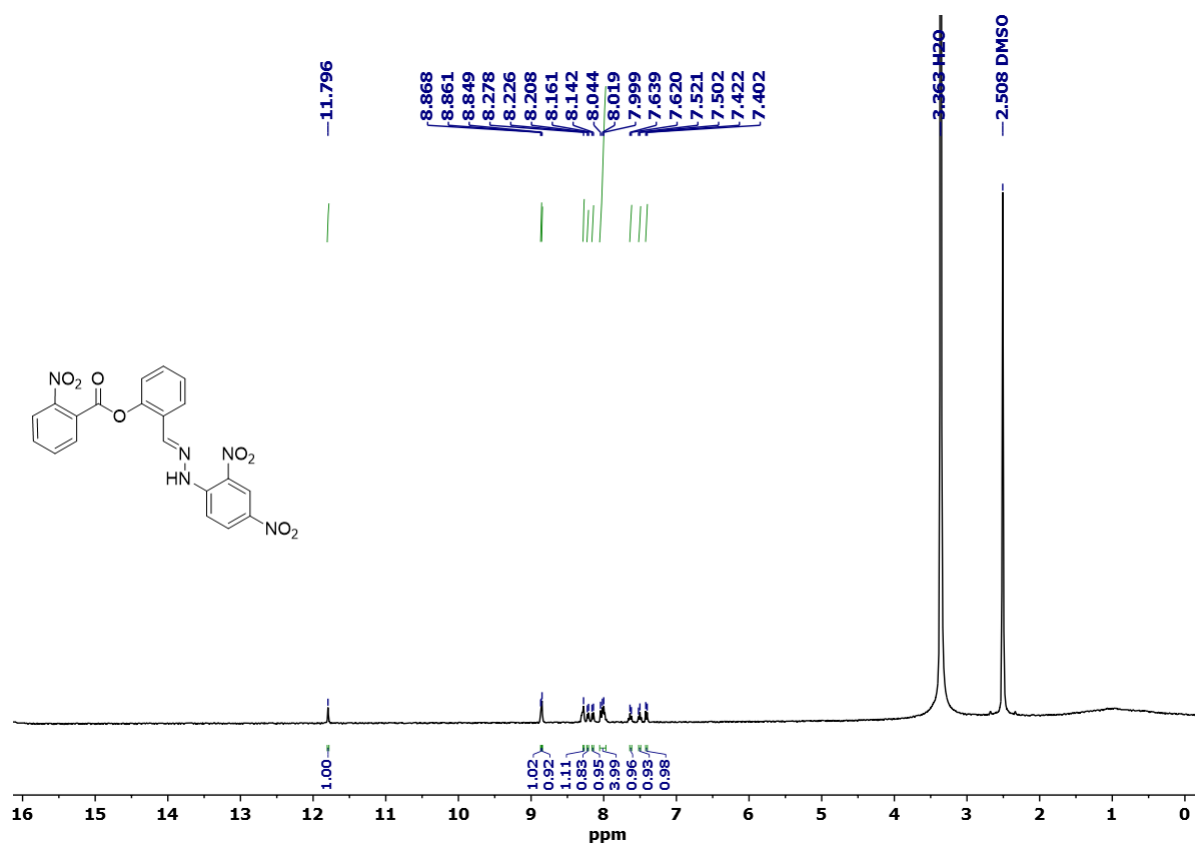
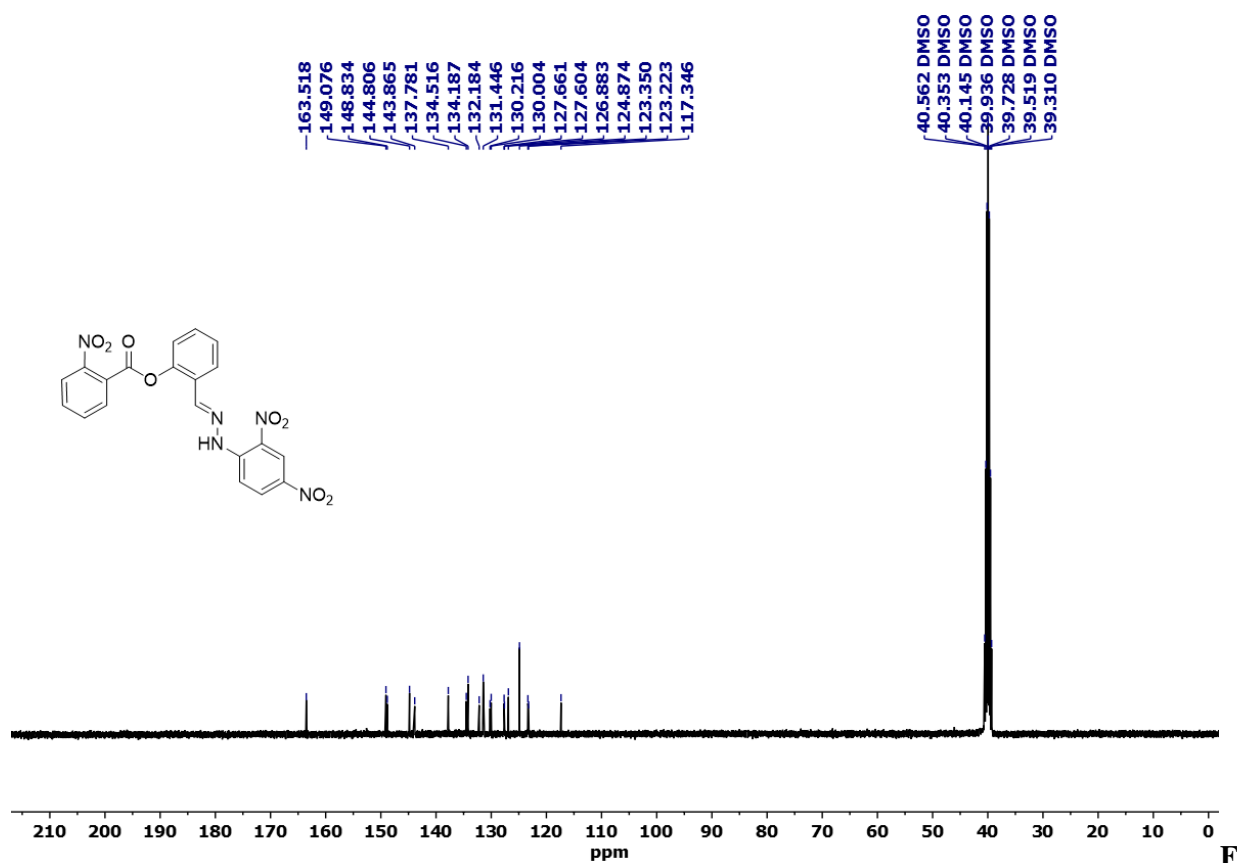


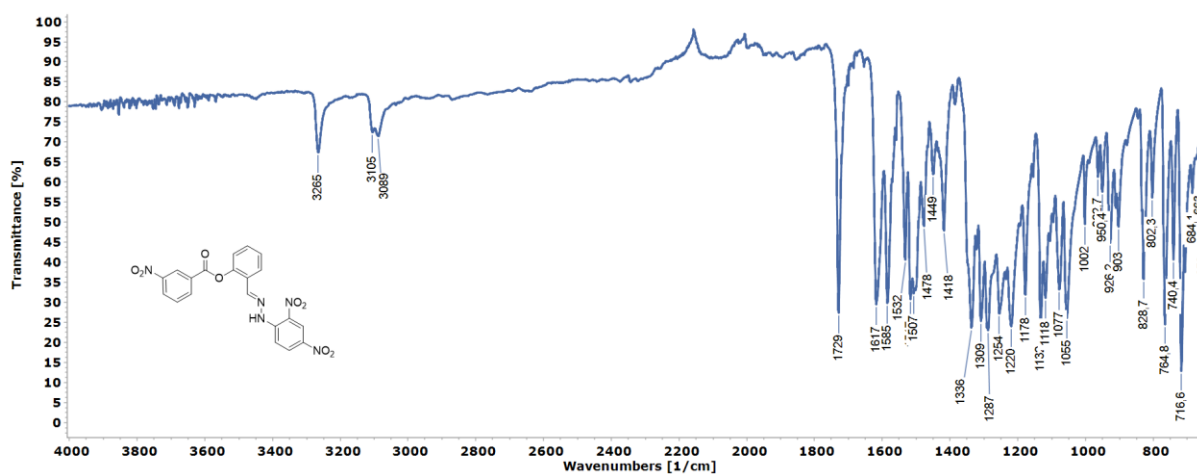
Figure S4: IR spectrum of (*E*)-2-((2-(2,4-Dinitrophenyl)hydrazono)methyl)phenyl 2-nitrobenzoate (**2b**)



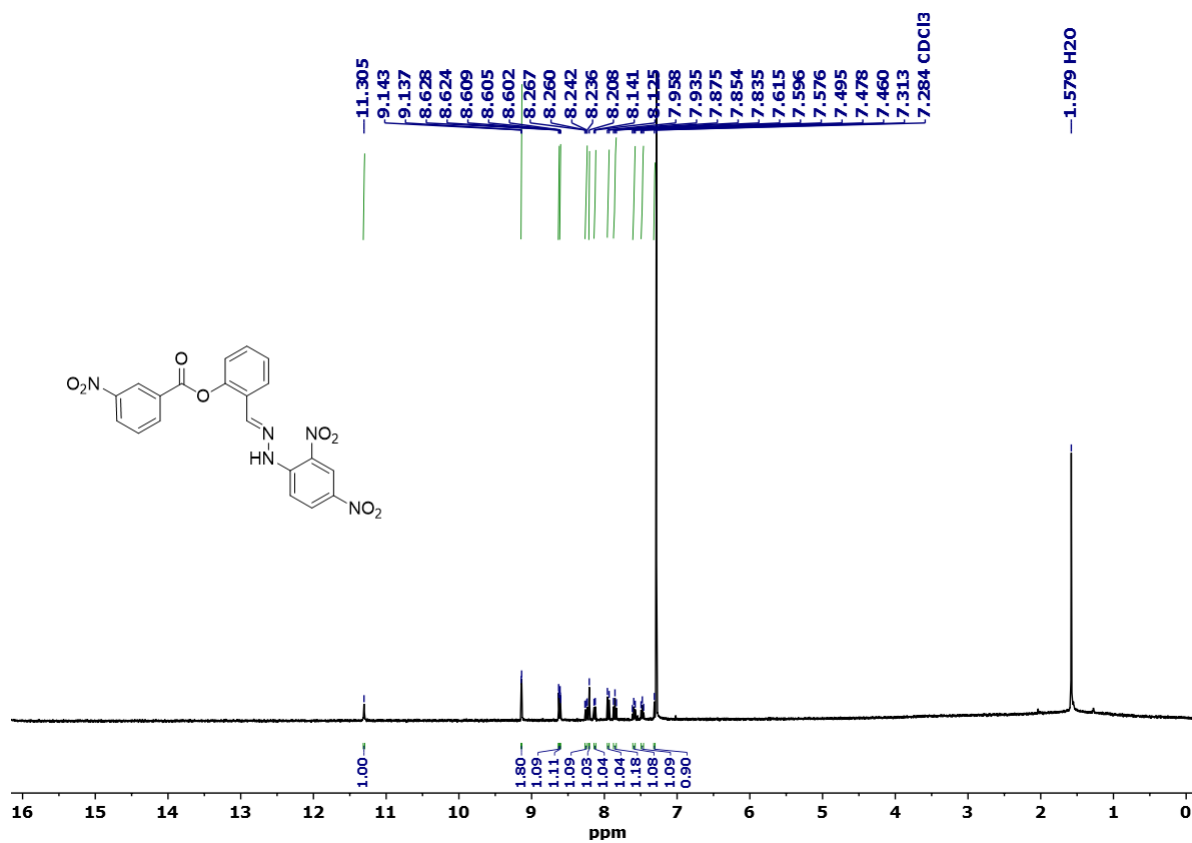
**Figure S5:** <sup>1</sup>H NMR spectrum of (*E*)-2-((2-(2,4-Dinitrophenyl)hydrazono)methyl)phenyl 2-nitrobenzoate (**2b**)



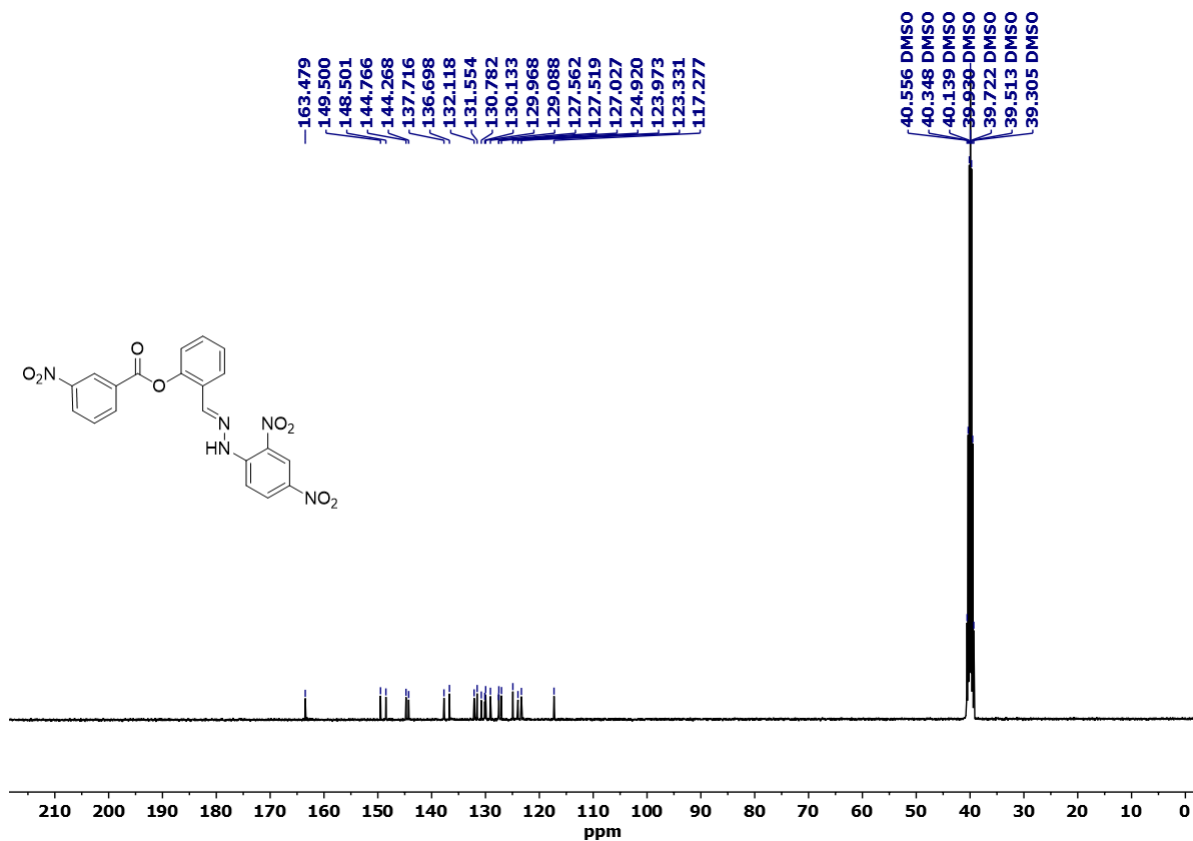
**Figure S6:** <sup>13</sup>C NMR spectrum of *(E)*-2-((2-(2,4-Dinitrophenyl)hydrazono)methyl)phenyl 2-nitrobenzoate (**2b**)



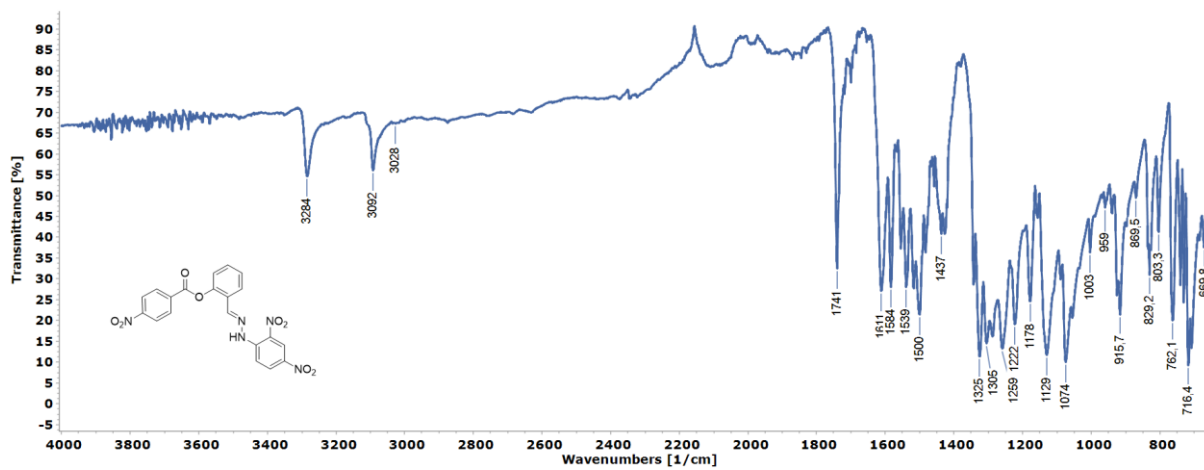
**Figure S7:** IR spectrum of *(E)*-2-((2-(2,4-Dinitrophenyl)hydrazono)methyl)phenyl 3-nitrobenzoate (**2c**)



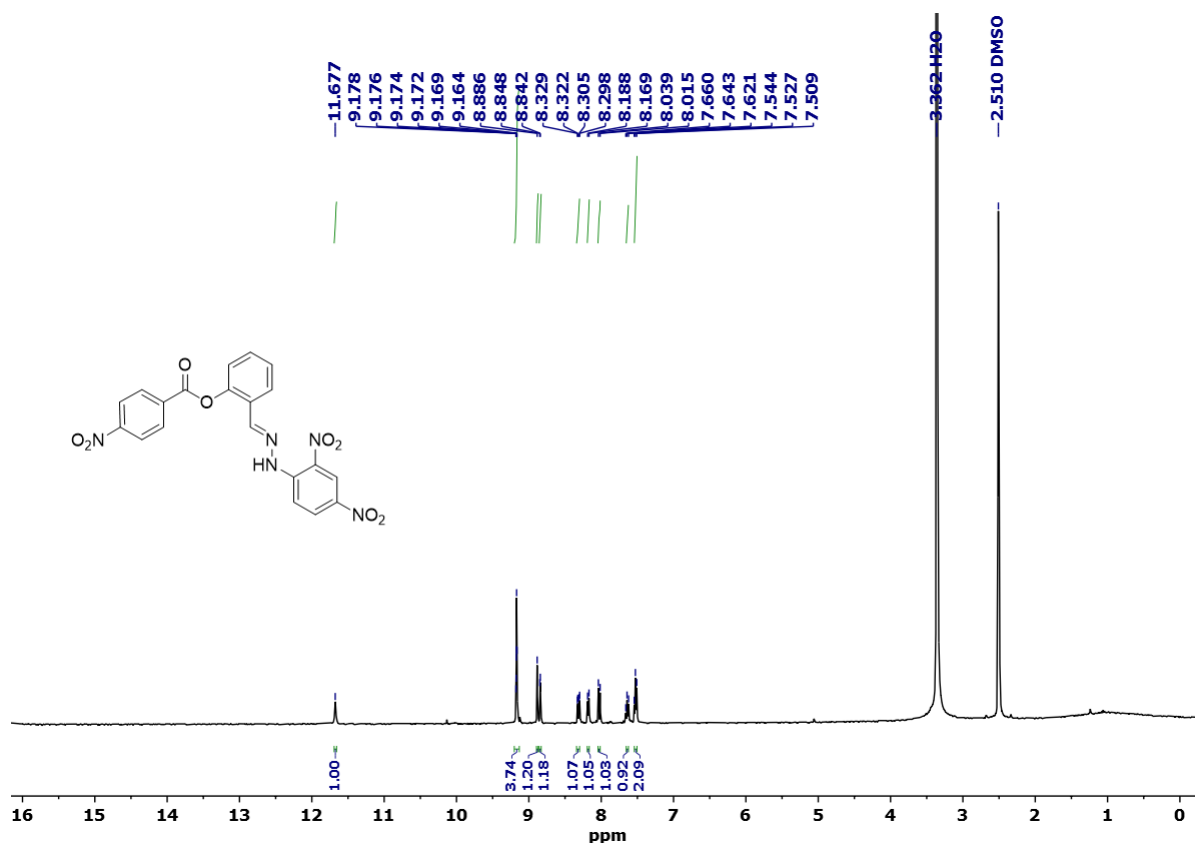
**Figure S8:** <sup>1</sup>H NMR spectrum of (*E*)-2-((2-(2,4-Dinitrophenyl)hydrazono)methyl)phenyl 3-nitrobenzoate (**2c**)



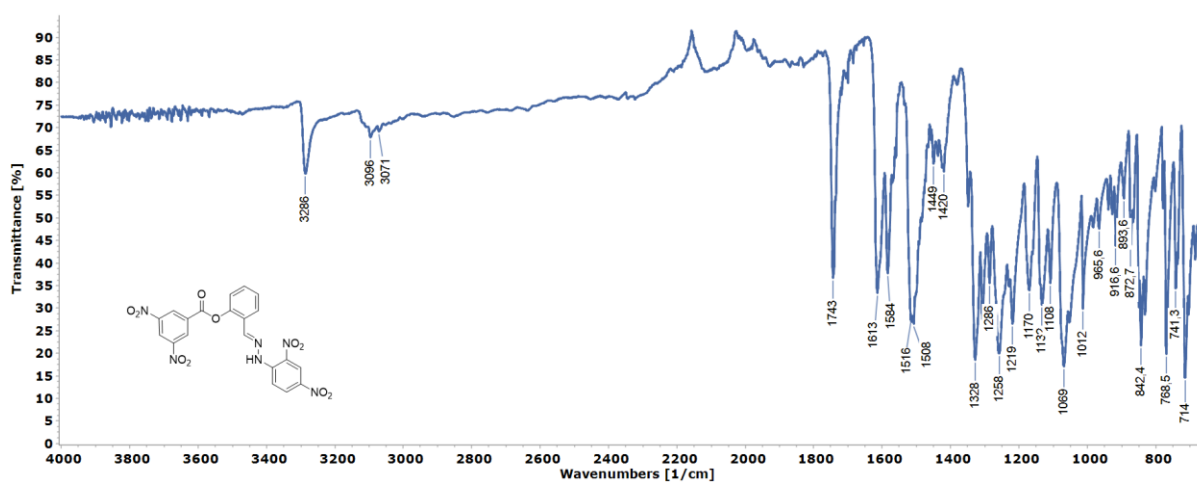
**Figure S9:** <sup>13</sup>C NMR spectrum of (*E*)-2-((2-(2,4-Dinitrophenyl)hydrazono)methyl)phenyl 3-nitrobenzoate (**2c**)



**Figure S10:** IR spectrum of (*E*)-2-((2-(2,4-Dinitrophenyl)hydrazono)methyl)phenyl 4-nitrobenzoate (**2d**)

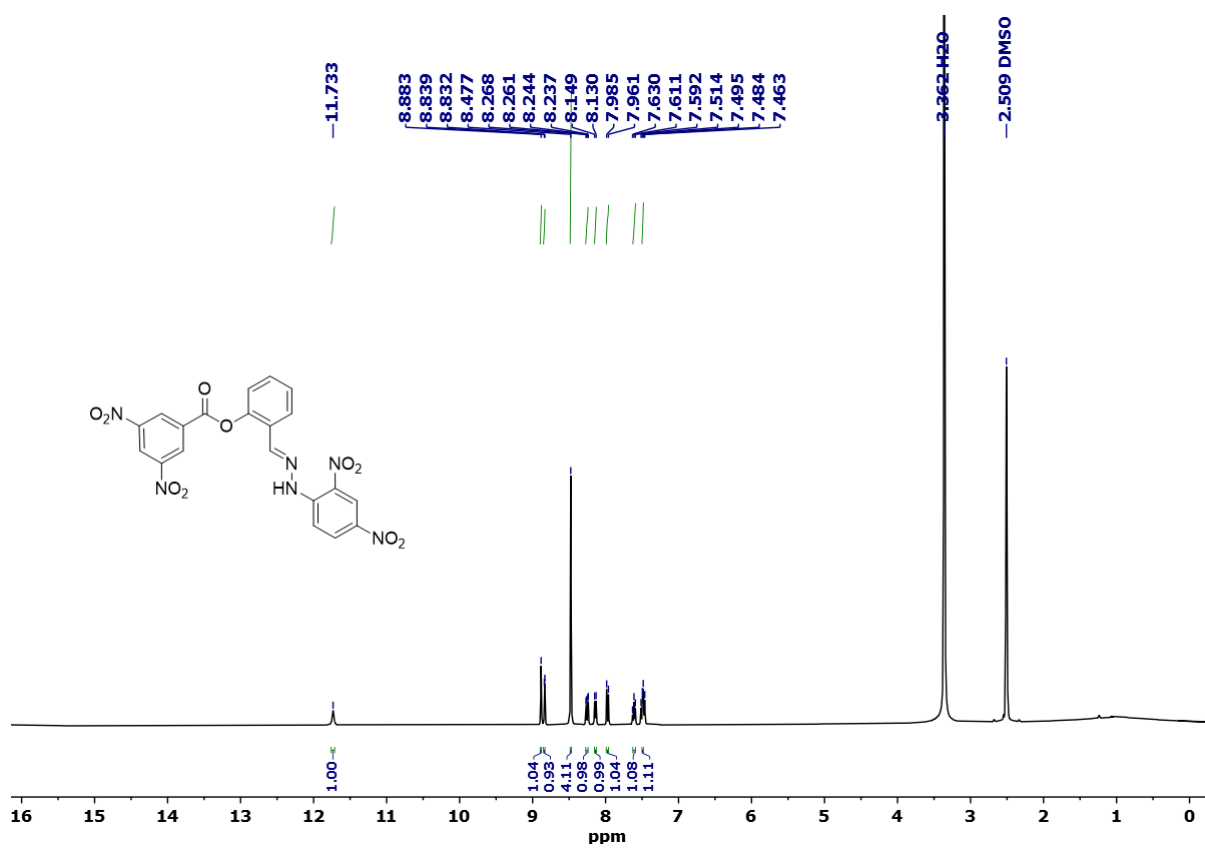


**Figure S11:** <sup>1</sup>H NMR spectrum of (*E*)-2-((2-(2,4-Dinitrophenyl)hydrazono)methyl)phenyl 4-nitrobenzoate (**2d**)

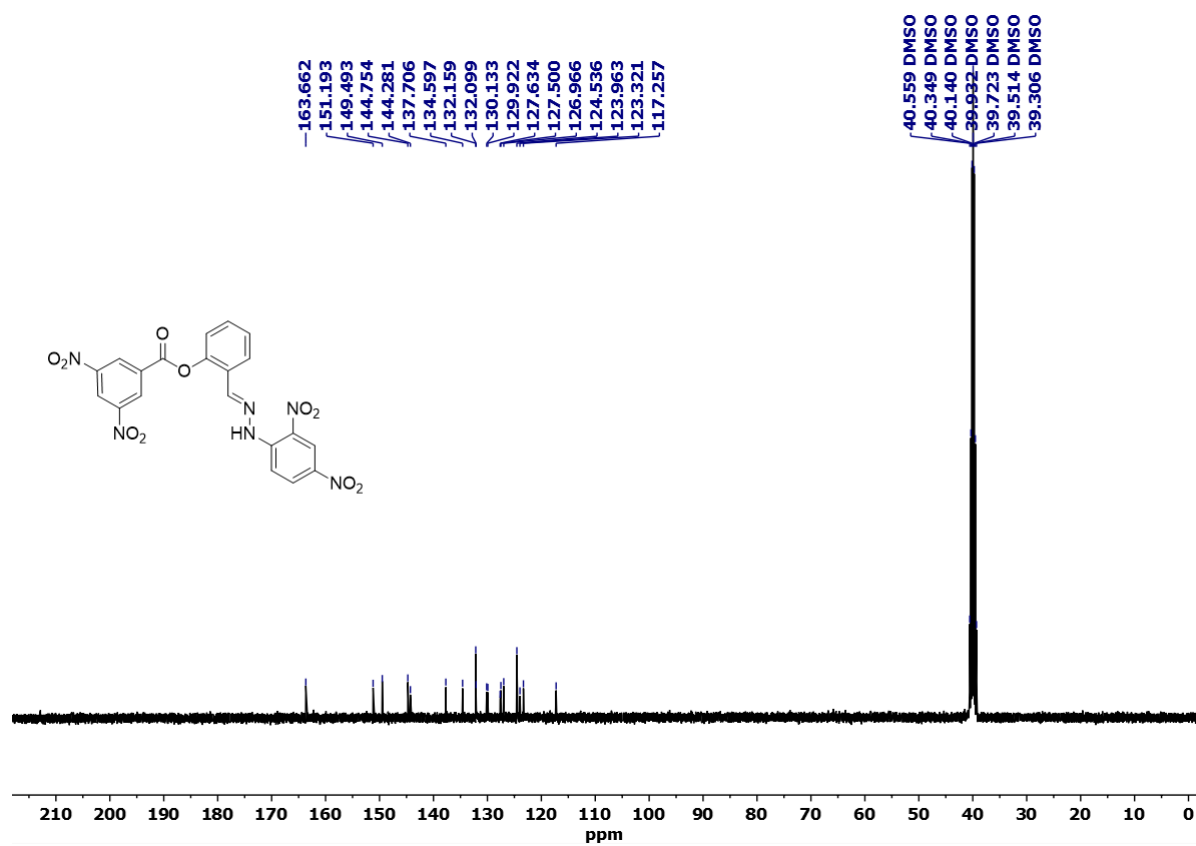


**Figure S12:** IR spectrum of (*E*)-2-((2-(2,4-Dinitrophenyl)hydrazono)methyl)phenyl 3,5-dinitrobenzoate (**2e**)





**Figure S13:** <sup>1</sup>H NMR spectrum of (*E*)-2-((2-(2,4-Dinitrophenyl)hydrazono)methyl)phenyl 3,5-dinitrobenzoate (**2e**)



**Figure S14:** <sup>13</sup>C NMR spectrum of of (*E*)-2-((2-(2,4-Dinitrophenyl)hydrazono)methyl)phenyl 3,5-dinitrobenzoate (**2e**)