

Supporting information for:

Huisgen [3 + 2] Dipolar Cycloadditions of Phthalazinium Ylides to Activated Symmetric and Non-Symmetric Alkynes

Vasilichia Antoci ¹, Costel Moldoveanu ¹, Ramona Danac ¹, Violeta Mangalagiu ^{2,*} and Gheorghita Zbancioc ^{1,*}

¹ Alexandru Ioan Cuza University of Iasi, Faculty of Chemistry, 11 Carol 1st Bvd, Iasi -700506, Romania; vasilichia.antoci@uaic.ro (V.A.); costel.moldoveanu@uaic.ro (C.M.); rdanac@uaic.ro (R.D.); gheorghita.zbancioc@uaic.ro (G.Z.)

² Alexandru Ioan Cuza University of Iasi, Institute of Interdisciplinary Research- CERNESIM Centre, 11 Carol I, Iasi, 700506, Romania; violeta.mangalagiu@uaic.ro (V.M.)

* Correspondence: gheorghita.zbancioc@uaic.ro (G.Z.); violeta.mangalagiu@uaic.ro (V.M.).

Contents

1. NMR Spectra of the obtained compounds.....	2
---	---

1. NMR Spectra of the obtained compounds.

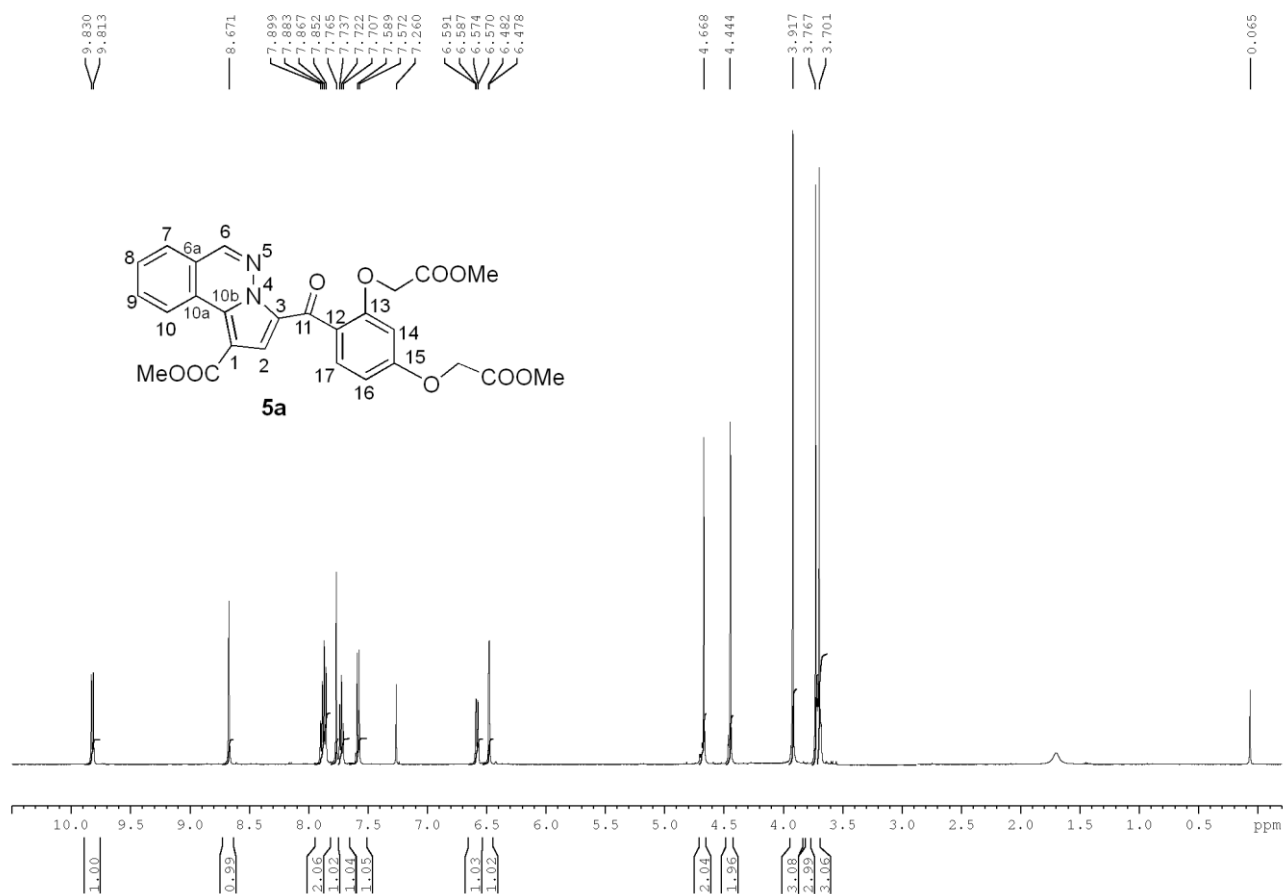


Figure S1: ¹H-NMR spectrum of the compound 5a.

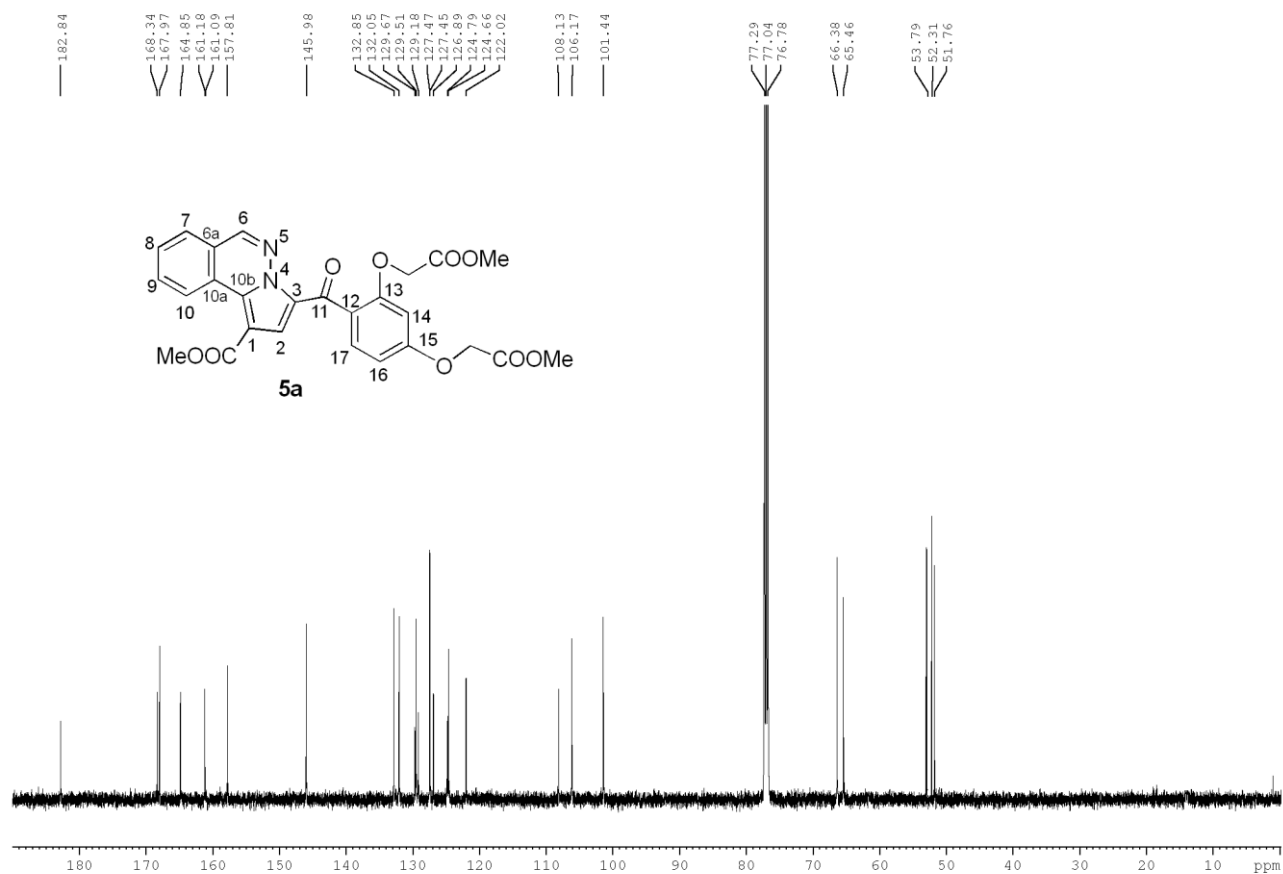


Figure S2: ¹³C-NMR spectrum of the compound 5a.

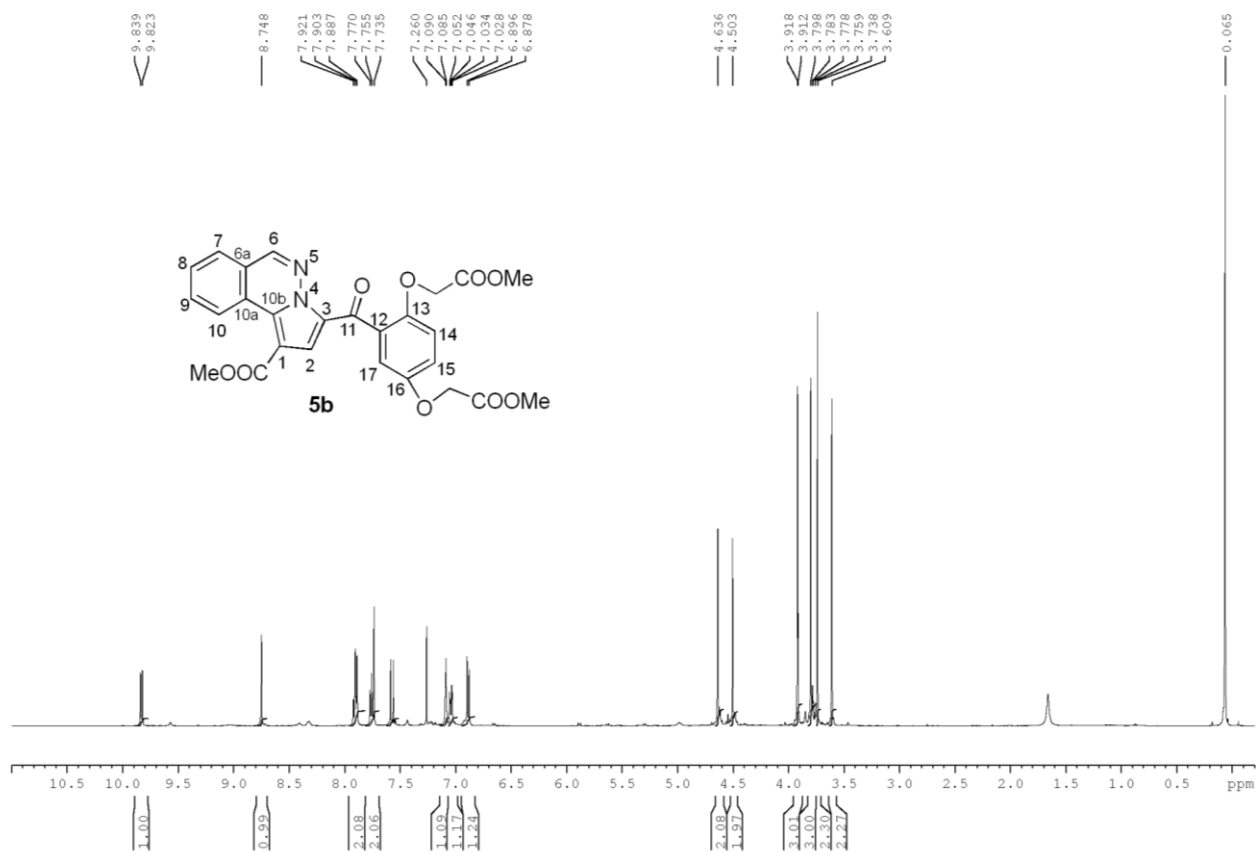


Figure S3: ¹H-NMR spectrum of the compound **5b**.

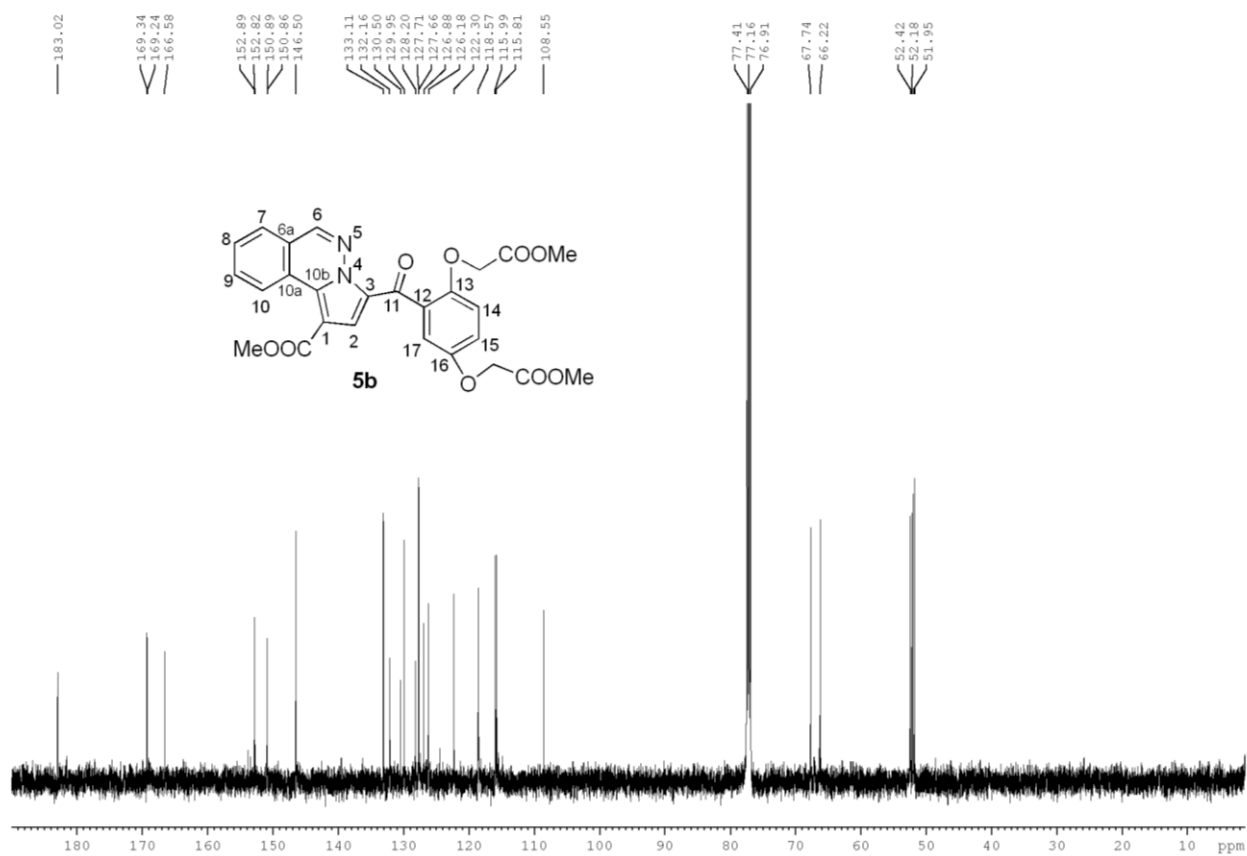


Figure S4: ¹³C-NMR spectrum of the compound **5b**.

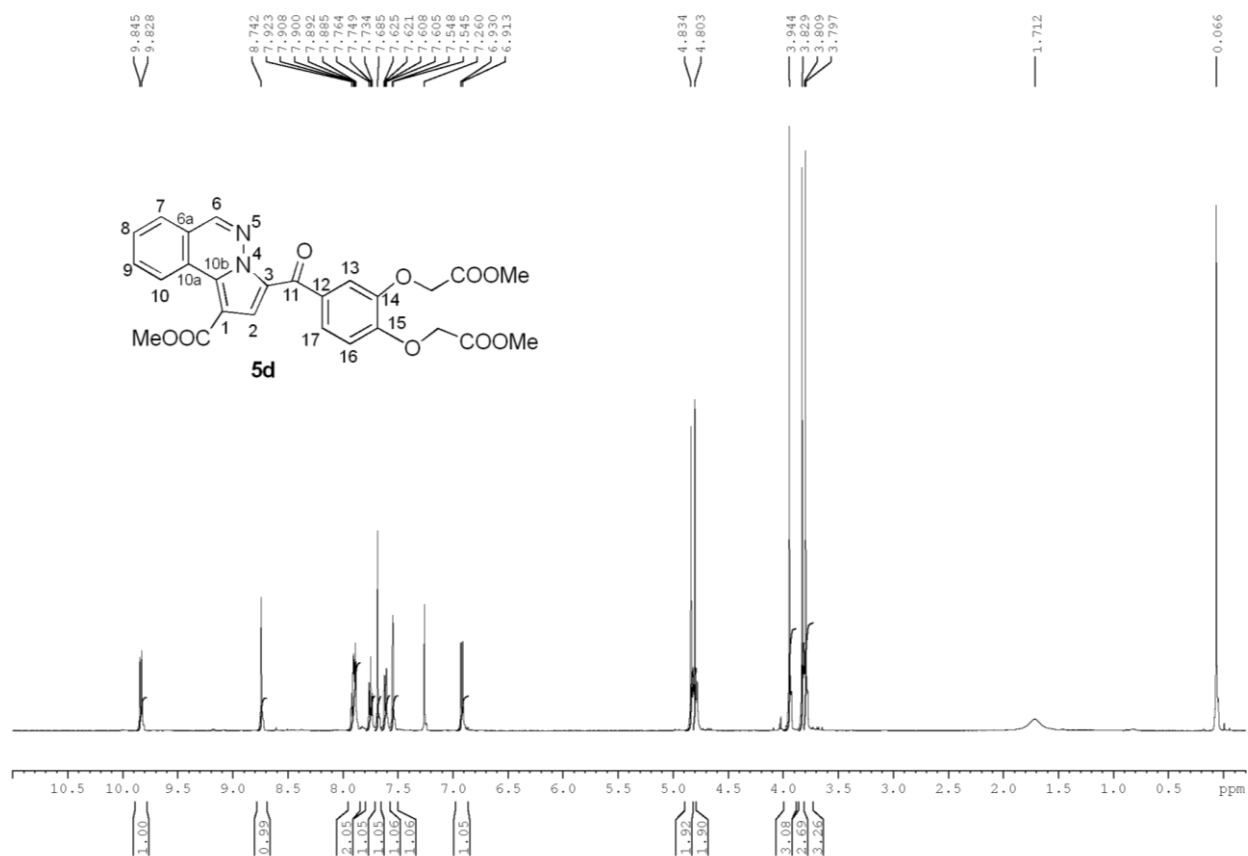


Figure S7: ¹H-NMR spectrum of the compound **5d**.

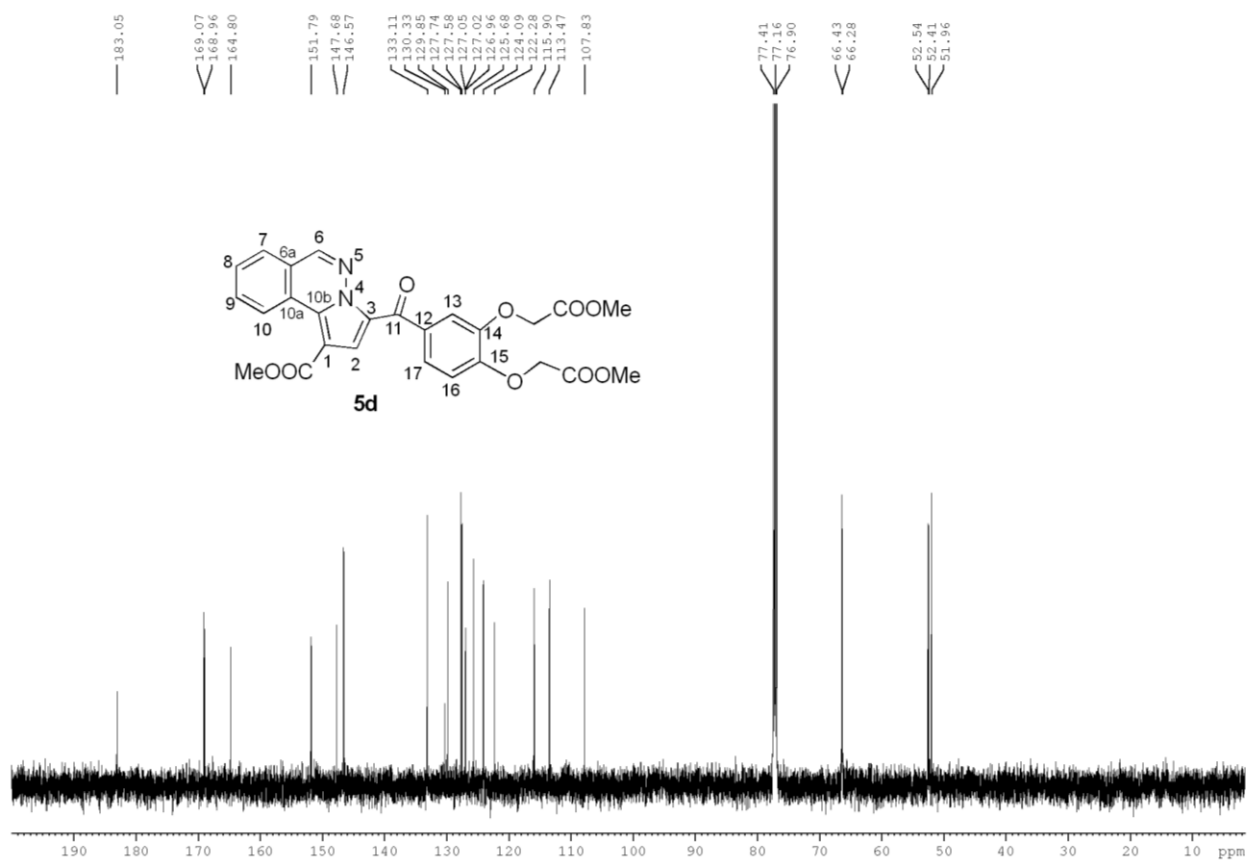


Figure S8: ¹³C-NMR spectrum of the compound **5d**.

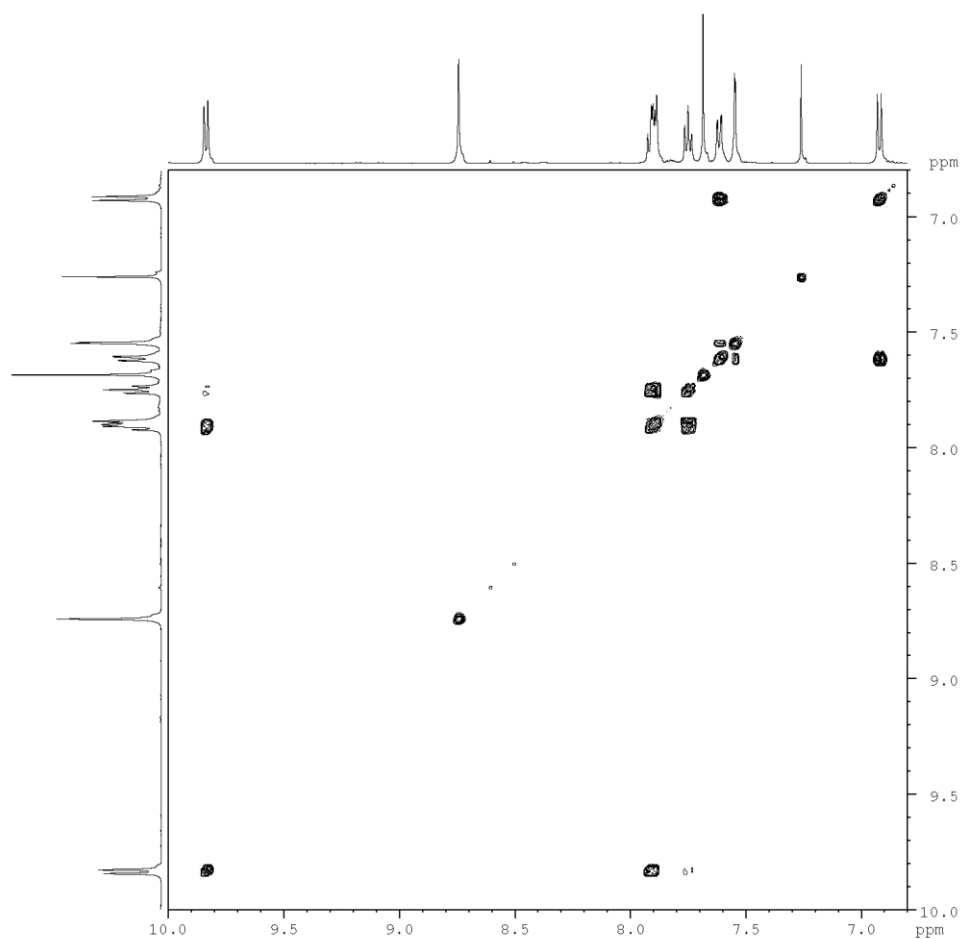


Figure S9: 2D-COSY 45 spectrum of the compound **5d**.

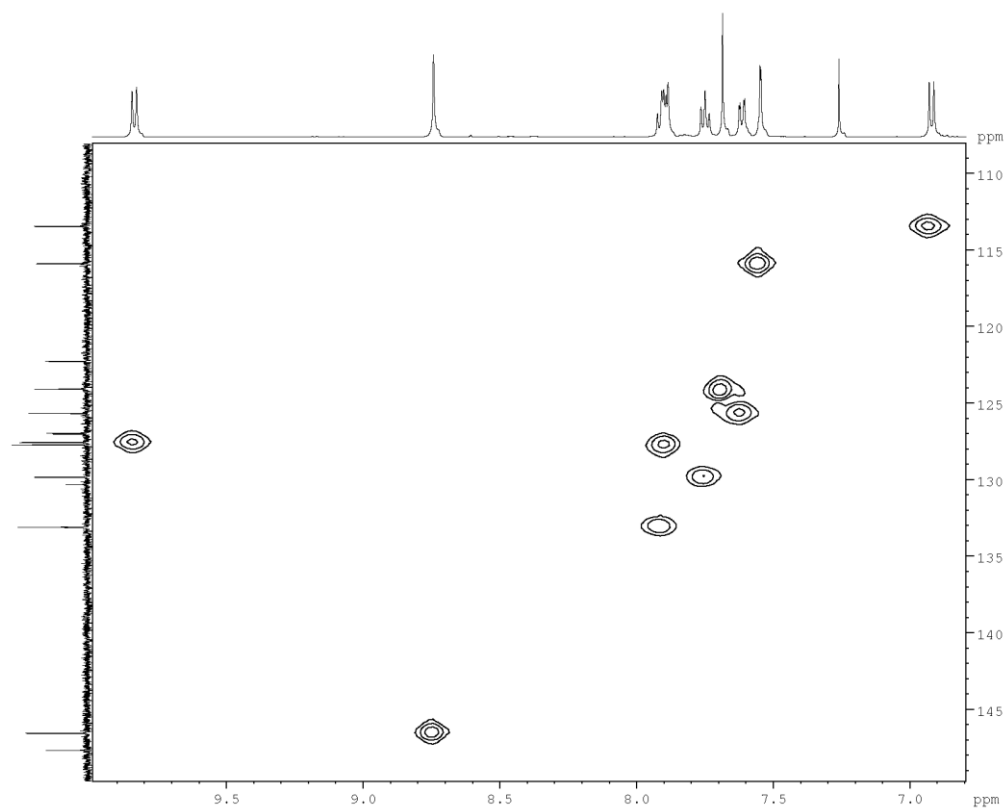


Figure S10: 2D-HETCOR (HMQC) spectrum of the compound **5d**.

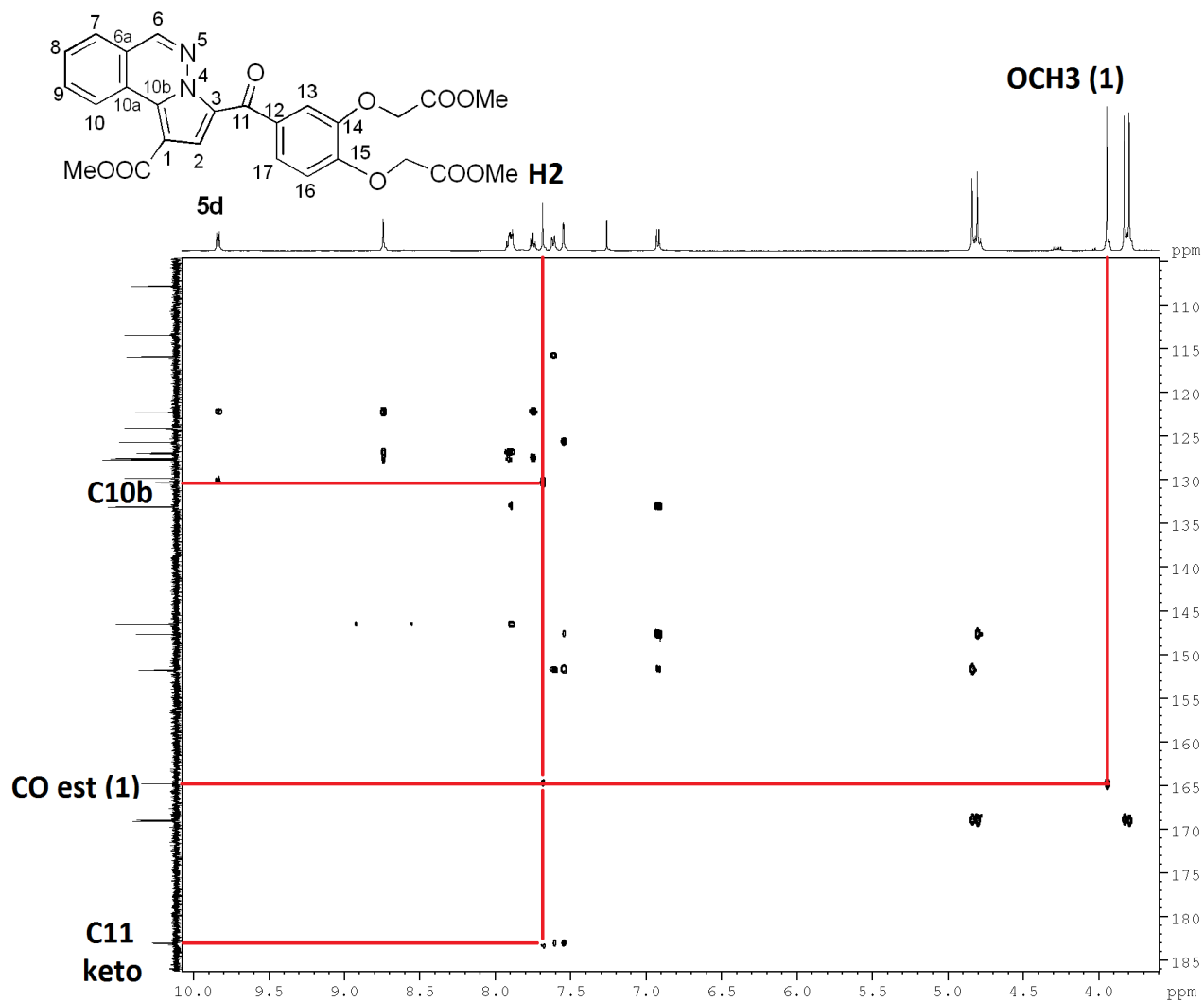


Figure S11: 2D-HETCOR (HMBC) spectrum of the compound **5d**.

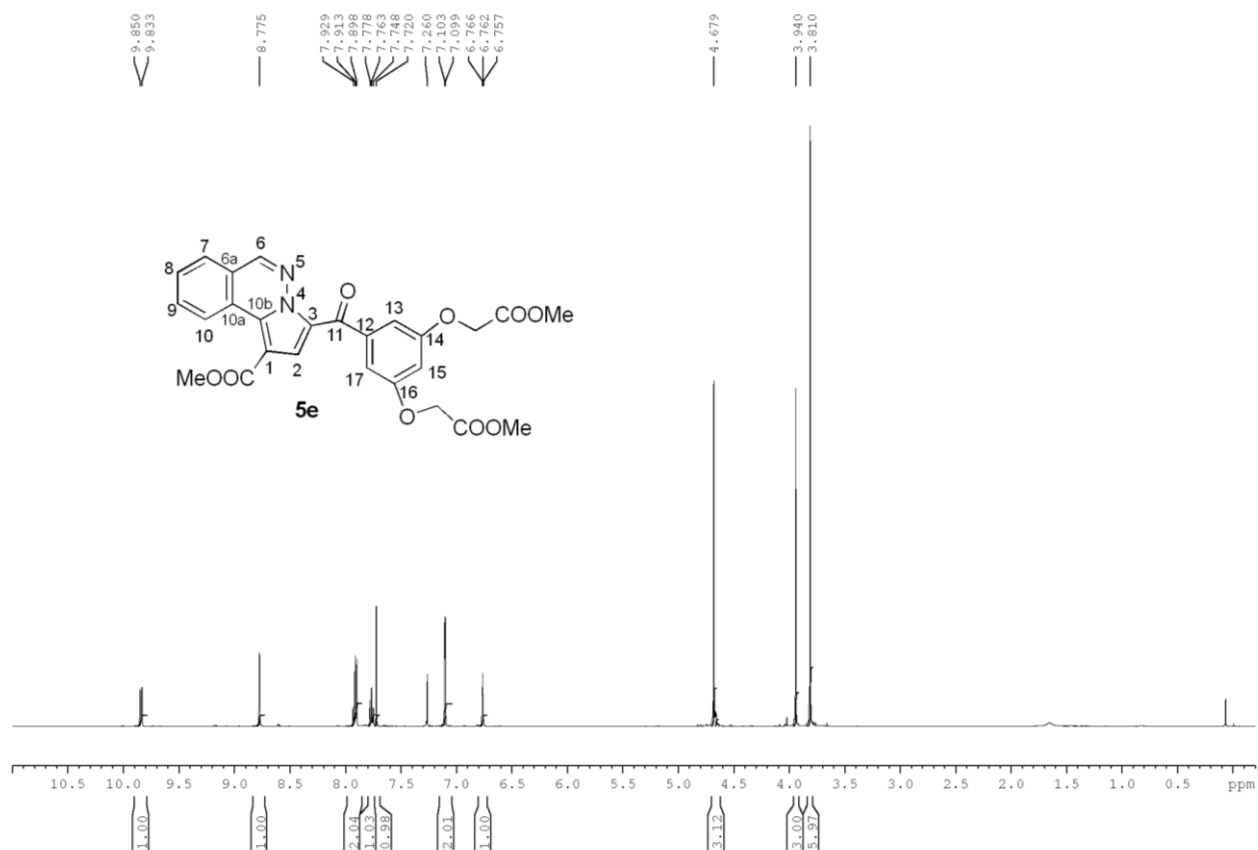


Figure S12: ¹H-NMR spectrum of the compound 5e.

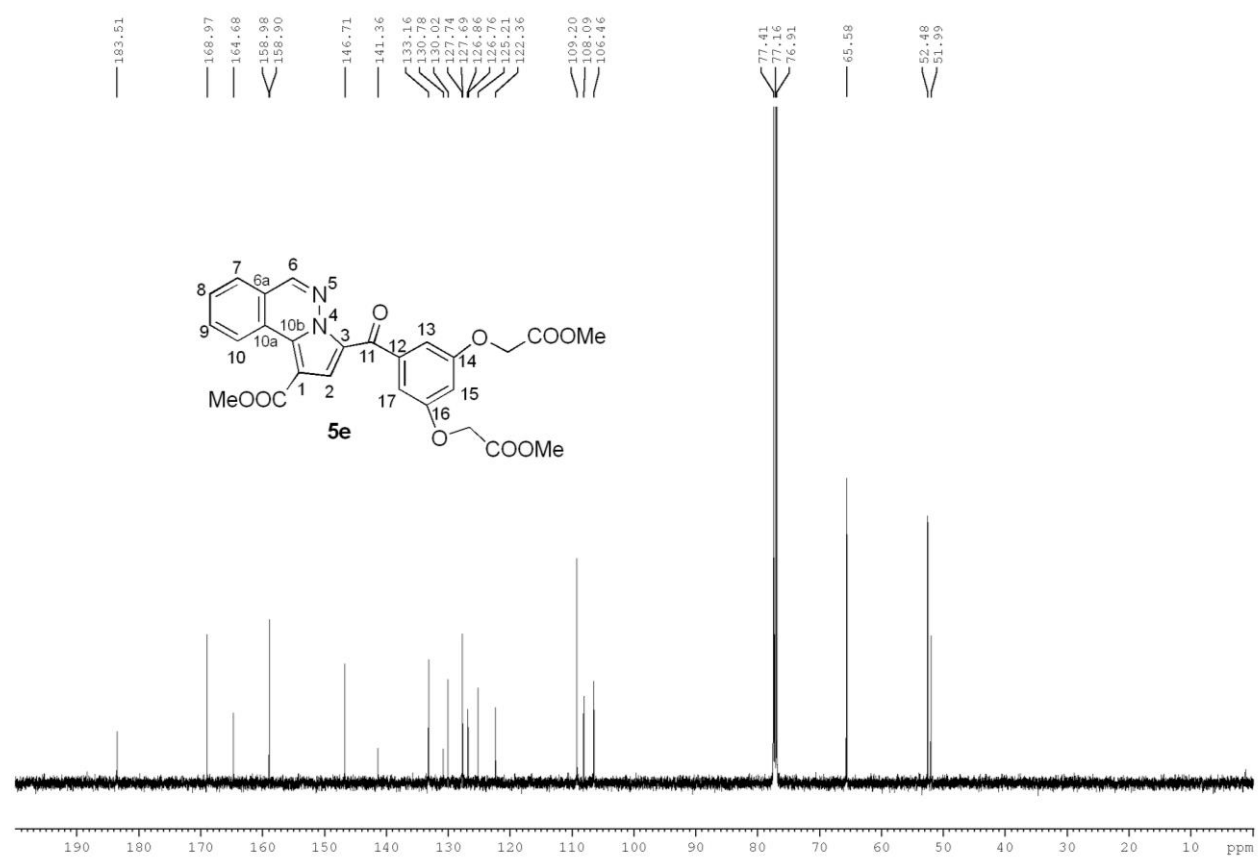


Figure S13: ¹³C-NMR spectrum of the compound 5e.

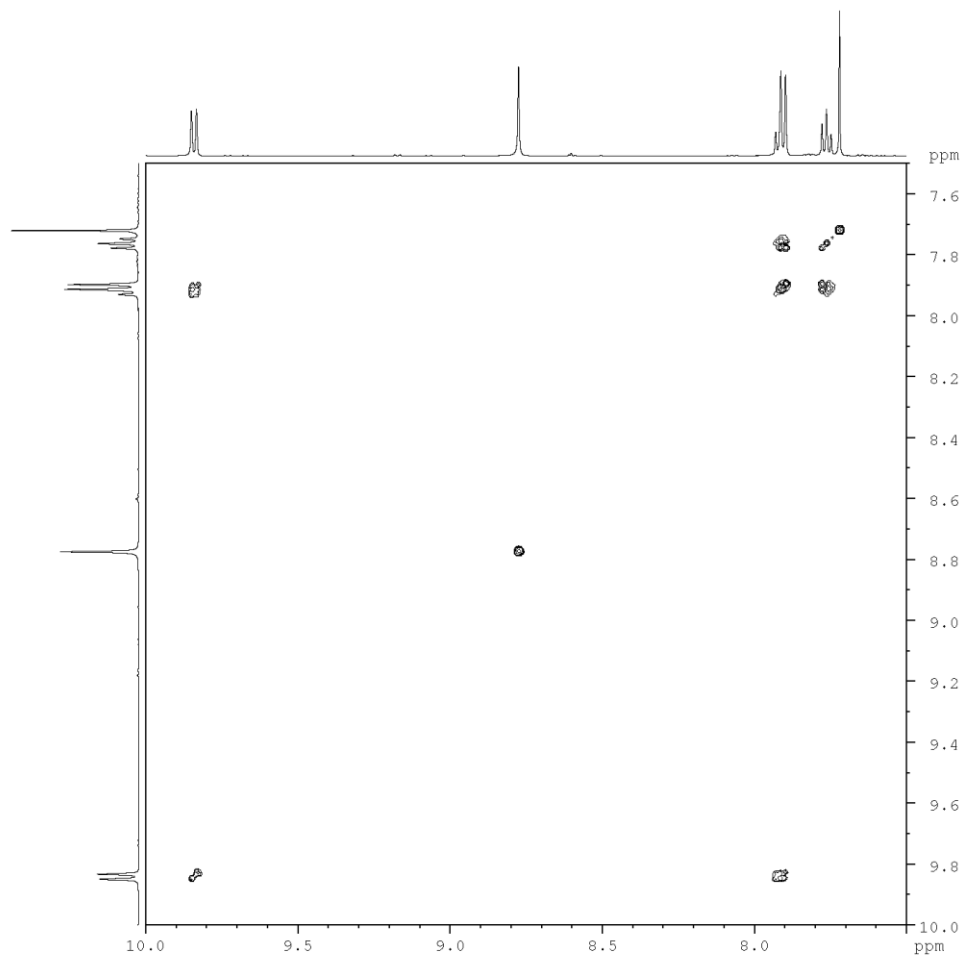


Figure S14: 2D-COSY 45 spectrum of the compound **5e**.

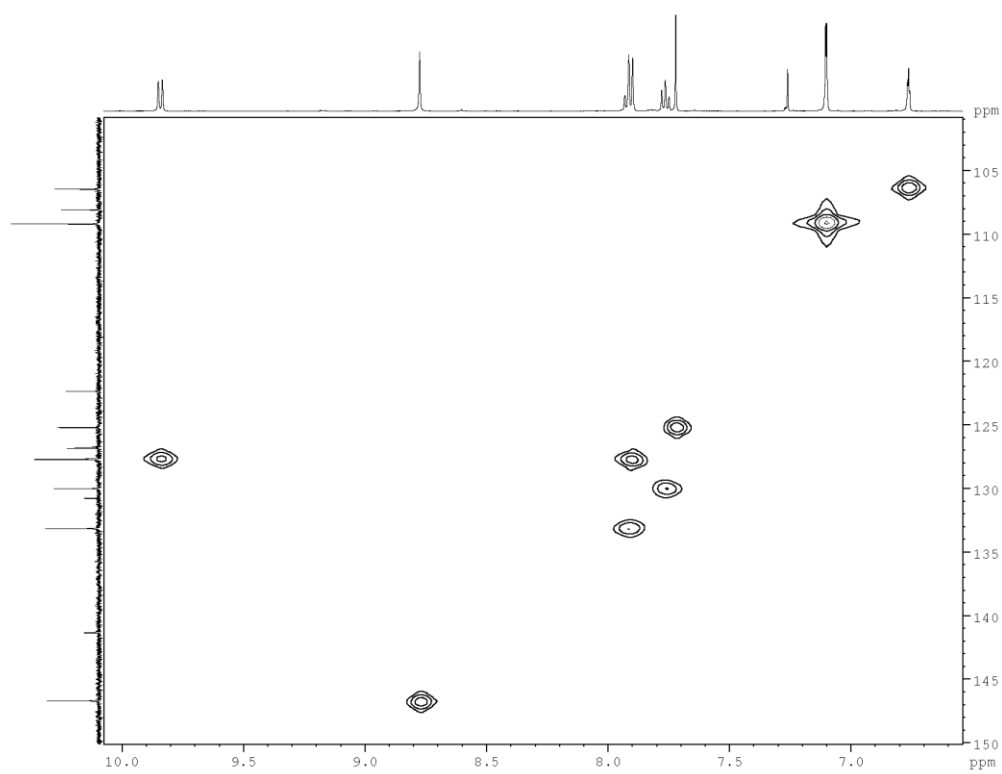


Figure S15: 2D-HETCOR (HMQC) spectrum of the compound **5e**.

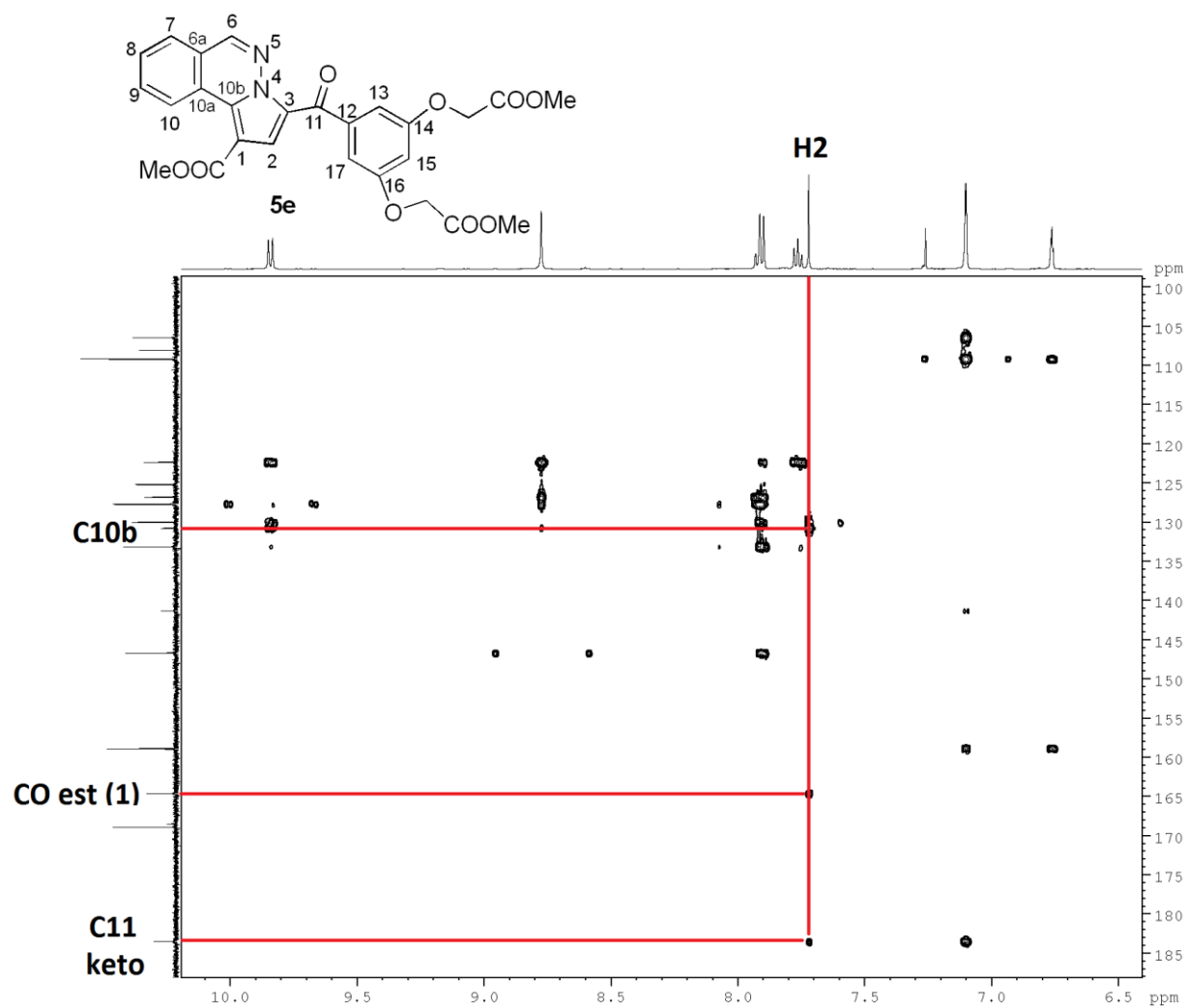


Figure S16: 2D-HETCOR (HMBC) spectrum of the compound **5e**.

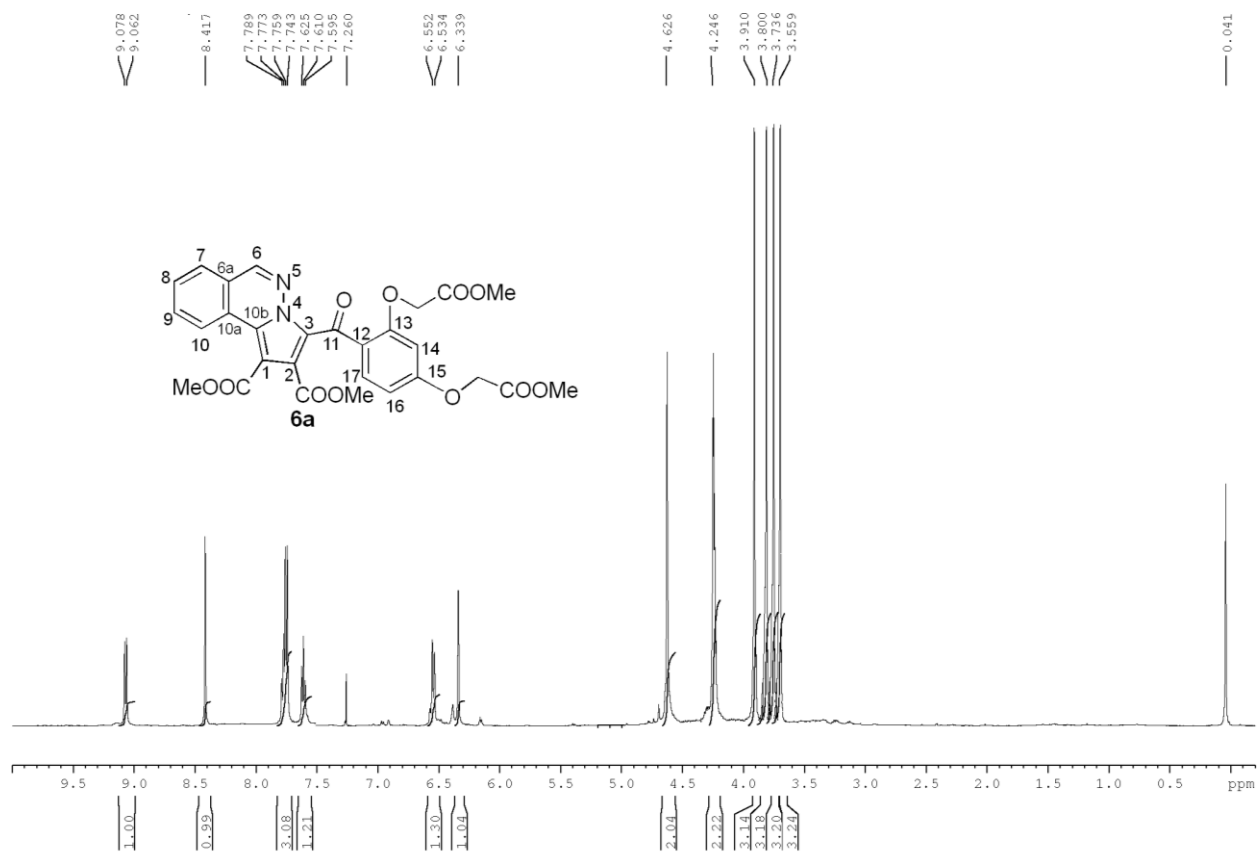


Figure S17: ¹H-NMR spectrum of the compound **6a**.

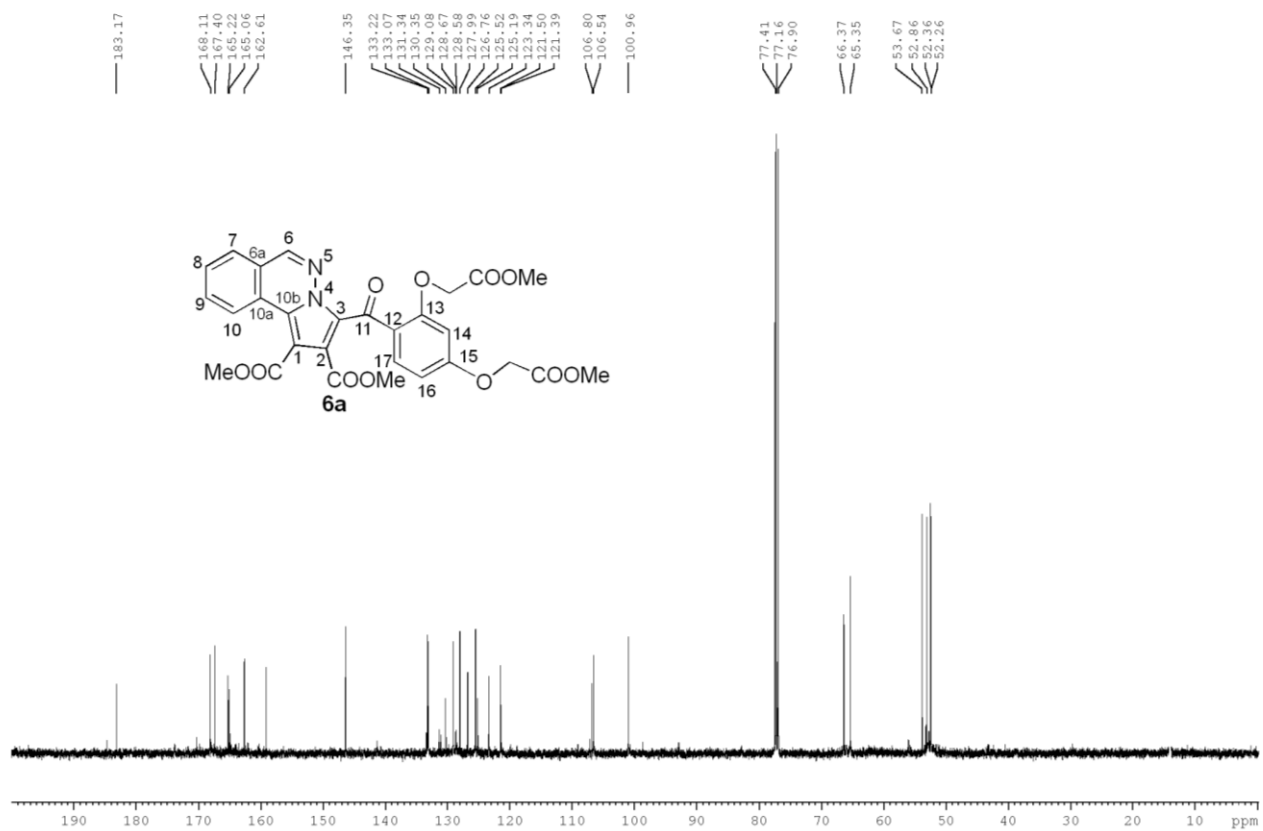


Figure S18: ¹³C-NMR spectrum of the compound **6a**.

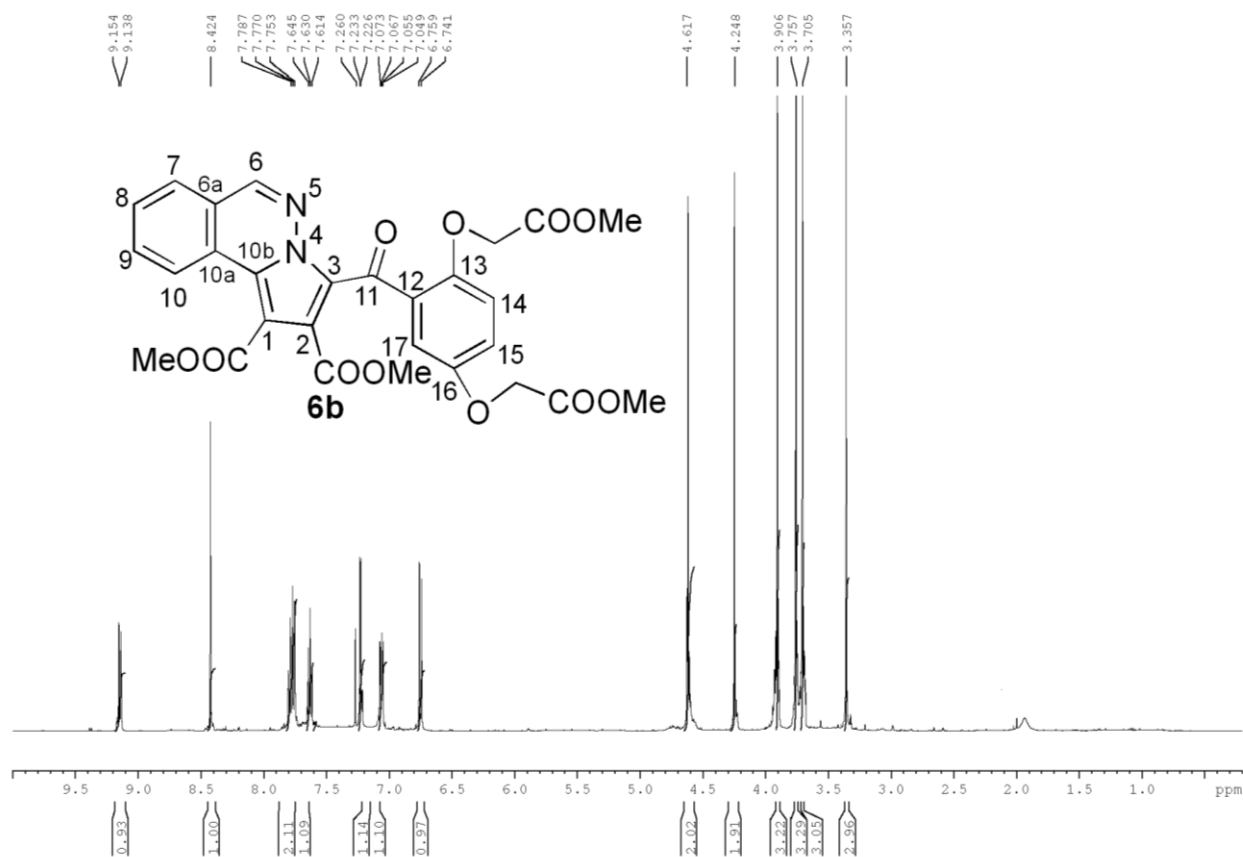


Figure S19: ¹H-NMR spectrum of the compound **6b**.

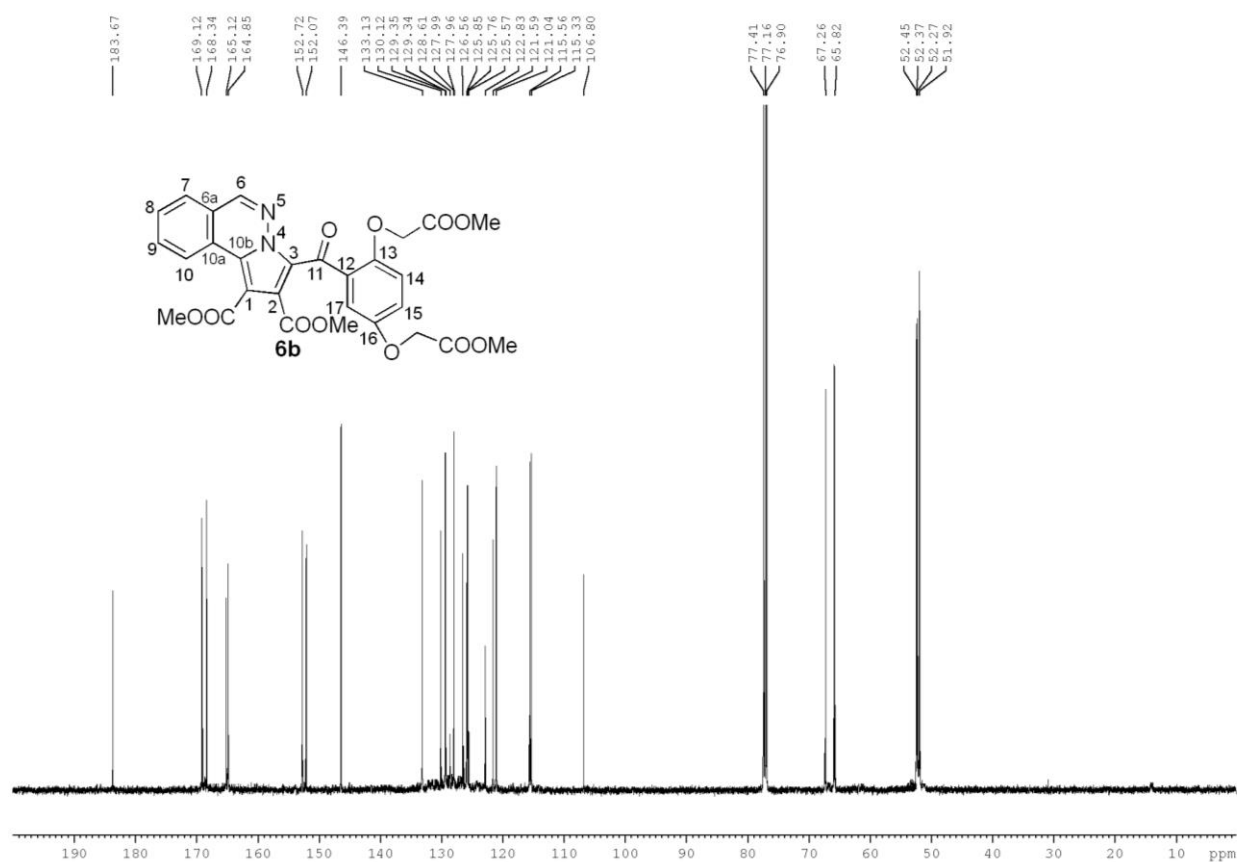


Figure S20: ¹³C-NMR spectrum of the compound **6b**.



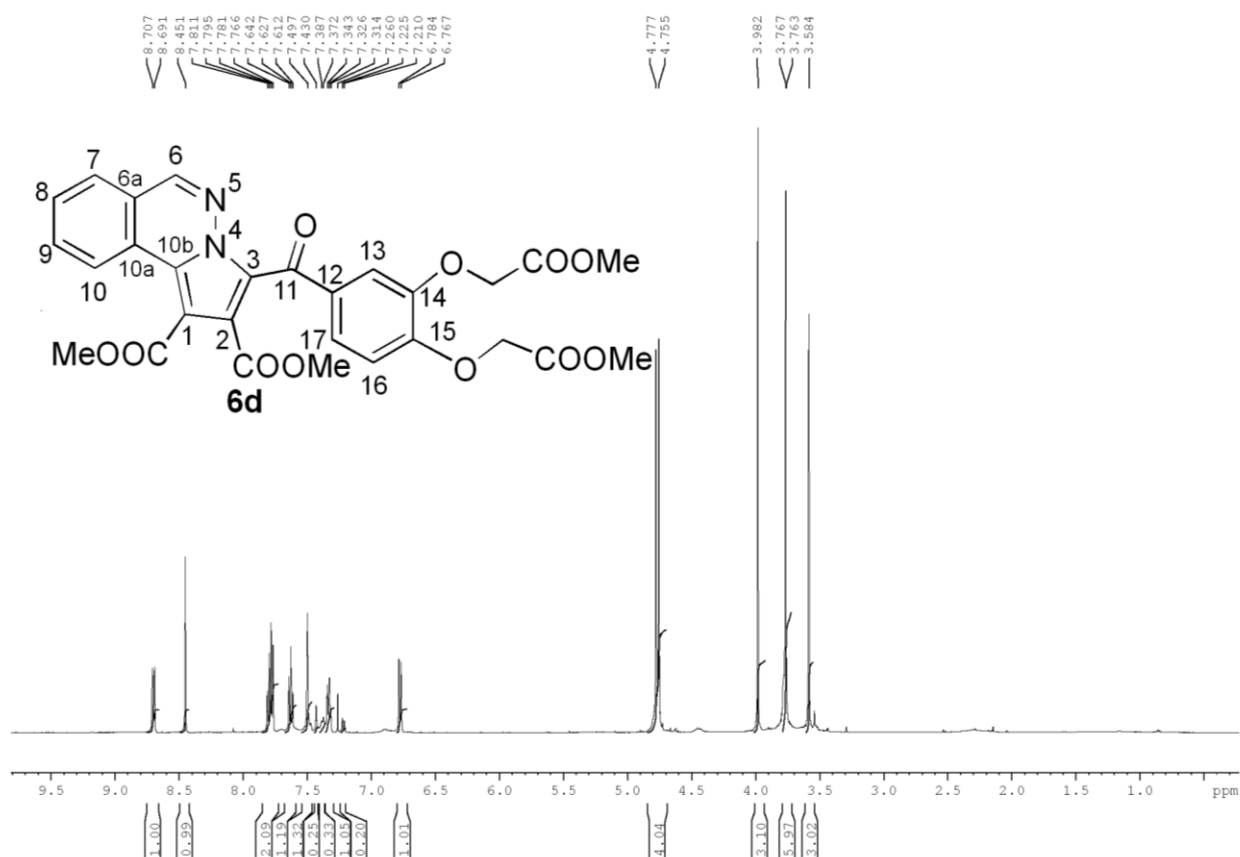


Figure S23: ¹H-NMR spectrum of the compound 6d.

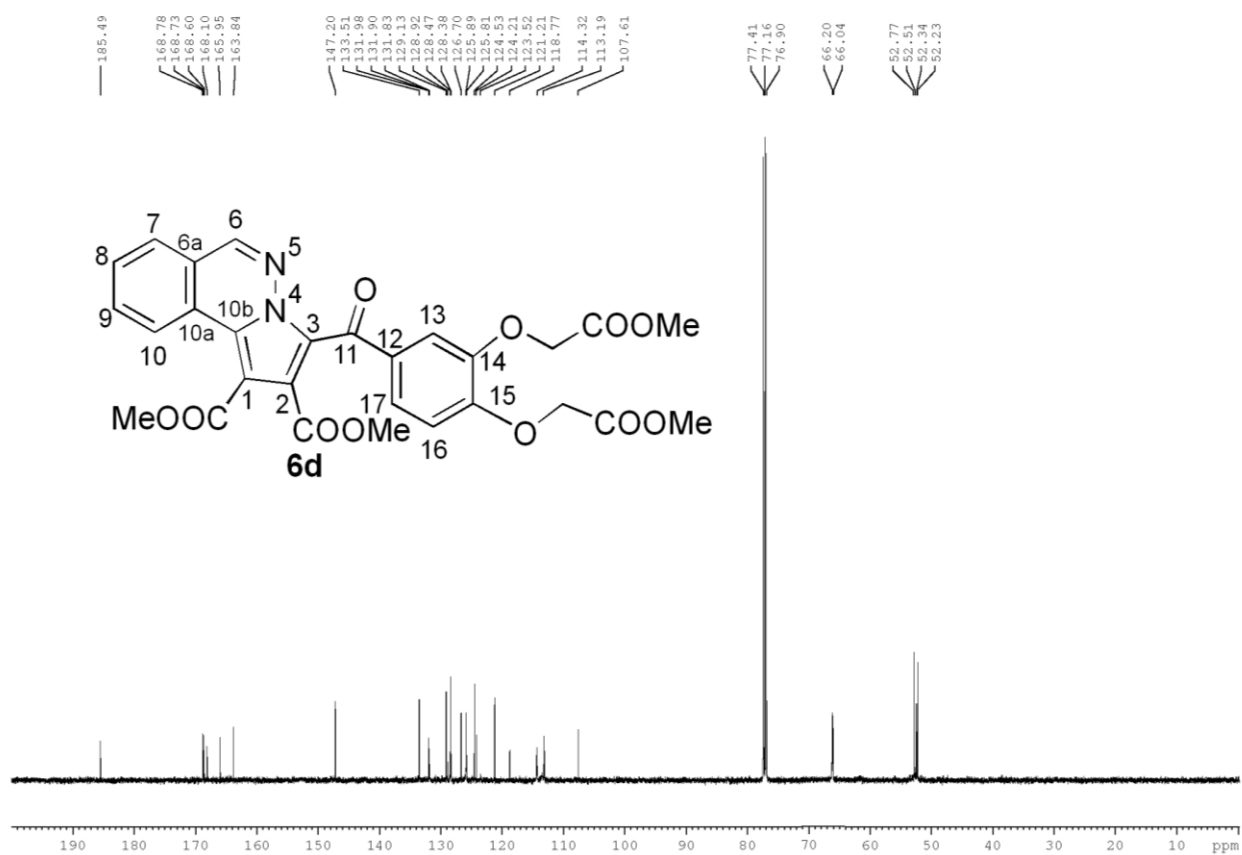


Figure S24: ¹³C-NMR spectrum of the compound 6d.

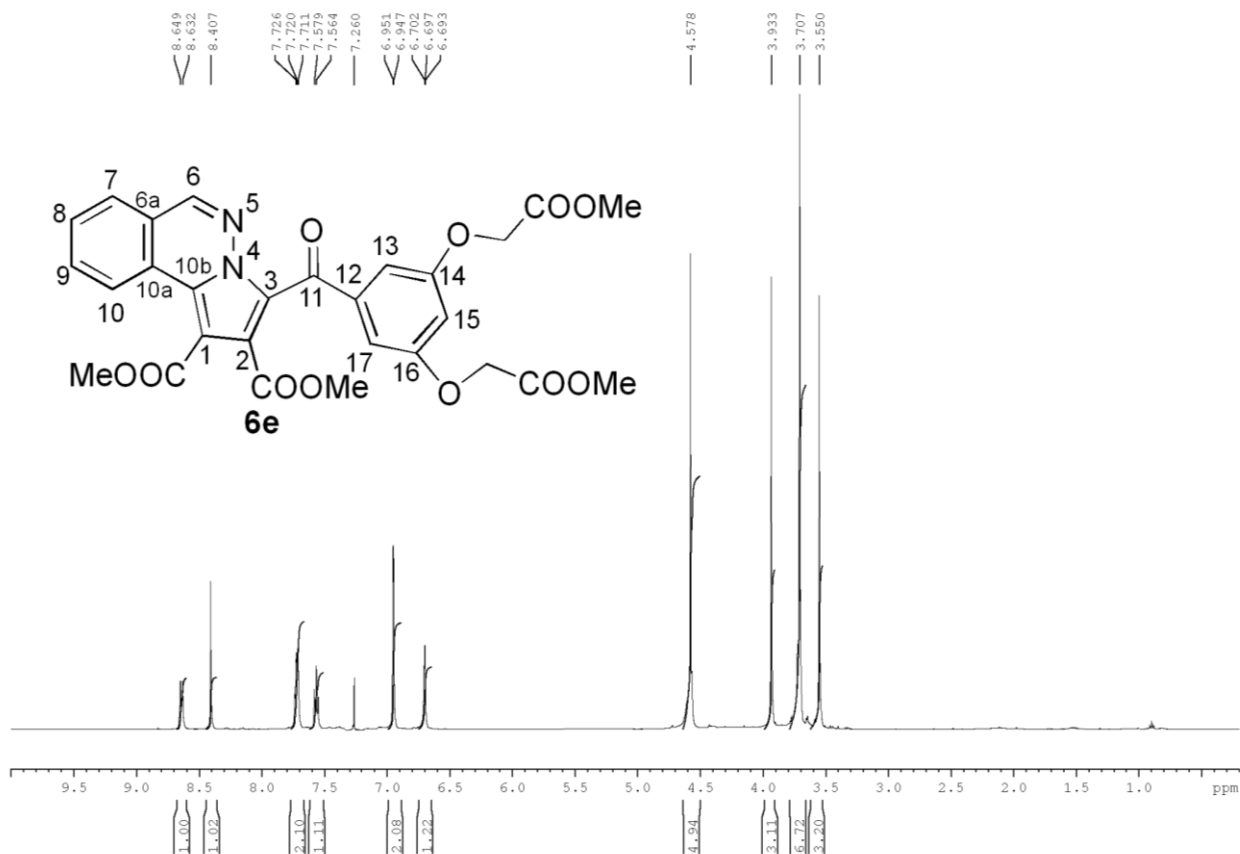


Figure S25: ¹H-NMR spectrum of the compound **6e**.

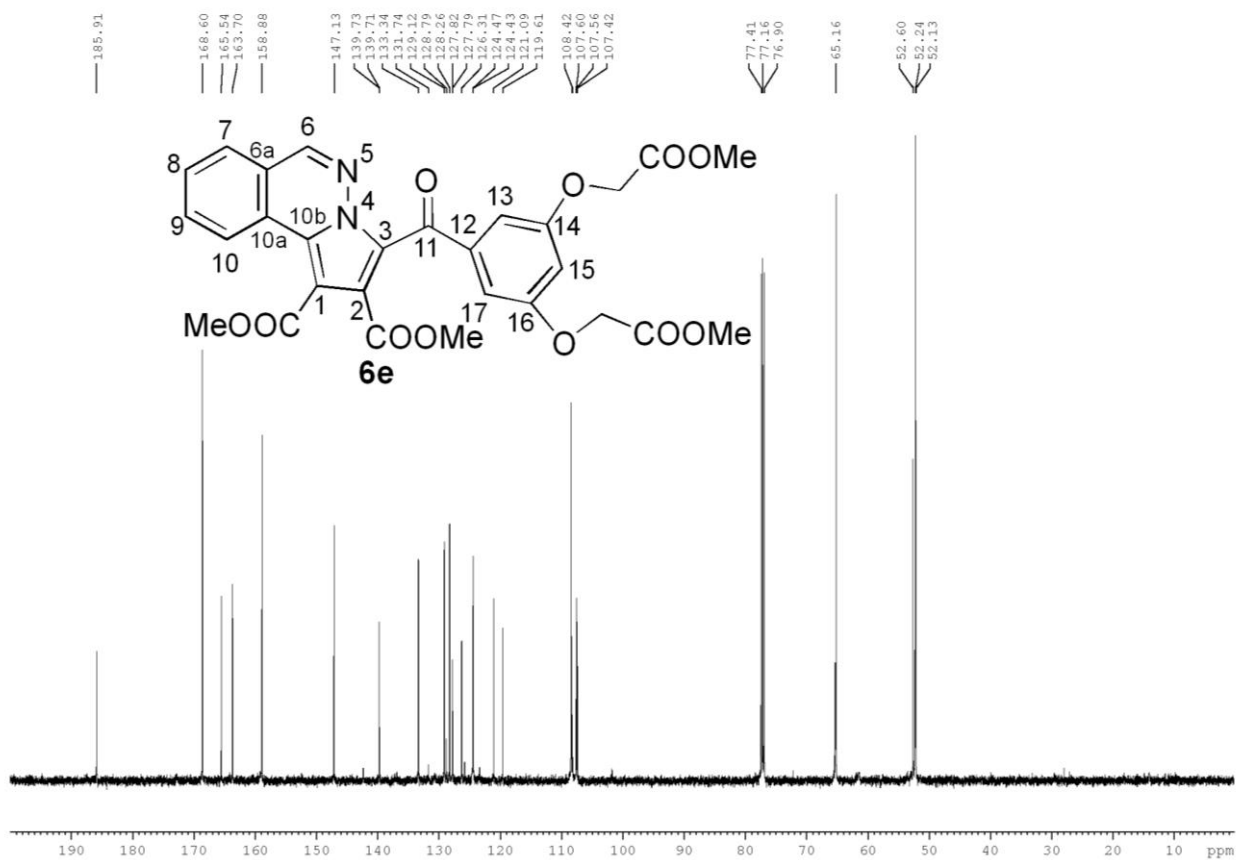


Figure S26: ¹³C-NMR spectrum of the compound **6e**.