

Azolium Hydrogen Carbonates and Azolium Carboxylates as Organic
Pre-catalysts for *N*-Heterocyclic Carbene-Catalyzed Group Transfer
and Ring-Opening Polymerizations

SUPPORTING INFORMATION

Maréva Fèvre,^{1,2} Joan Vignolle,^{1,2} and Daniel Taton^{1,2*}

¹*CNRS, Laboratoire de Chimie des Polymères Organiques, UMR 5629, F-33600 Pessac
(France)*

²*Univ. Bordeaux, Laboratoire de Chimie des Polymères Organiques, UMR 5629, F-33600
Pessac (France)*

Corresponding author : E-mail : taton@enscbp.fr; Fax : +33 (0)540008487

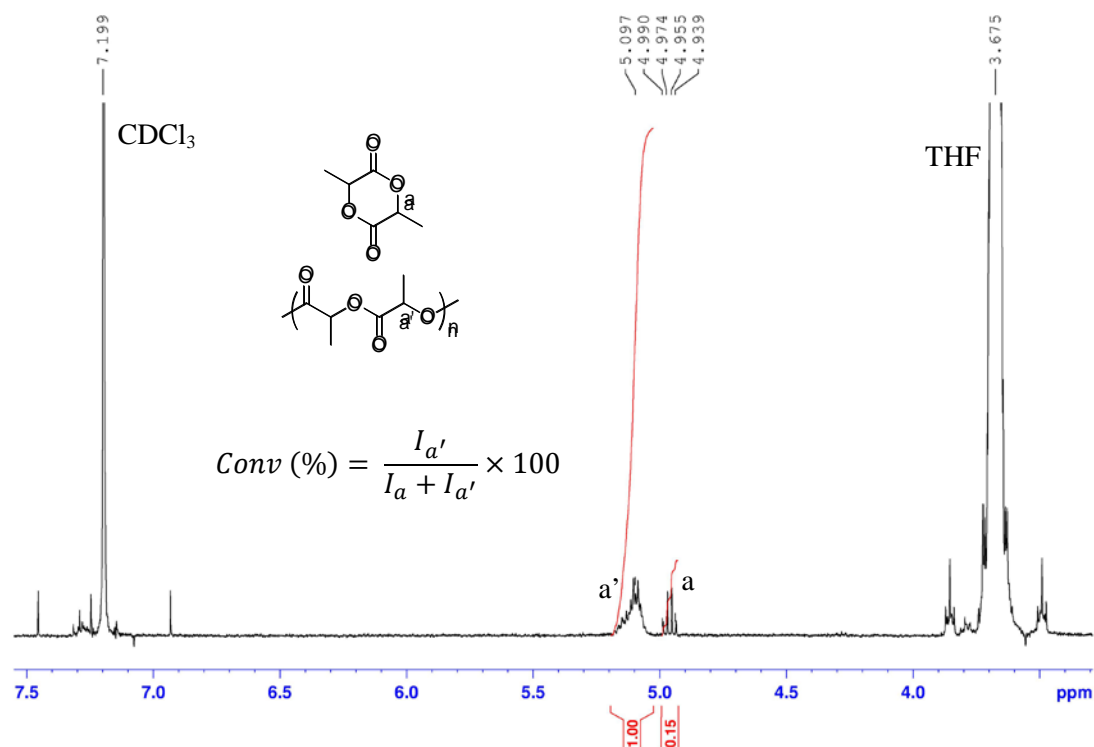


Figure S1. ¹H NMR spectrum in CDCl₃ of the crude product formed by ring opening polymerization of lactide in THF, calculation of the conversion is shown in the inserted formula.

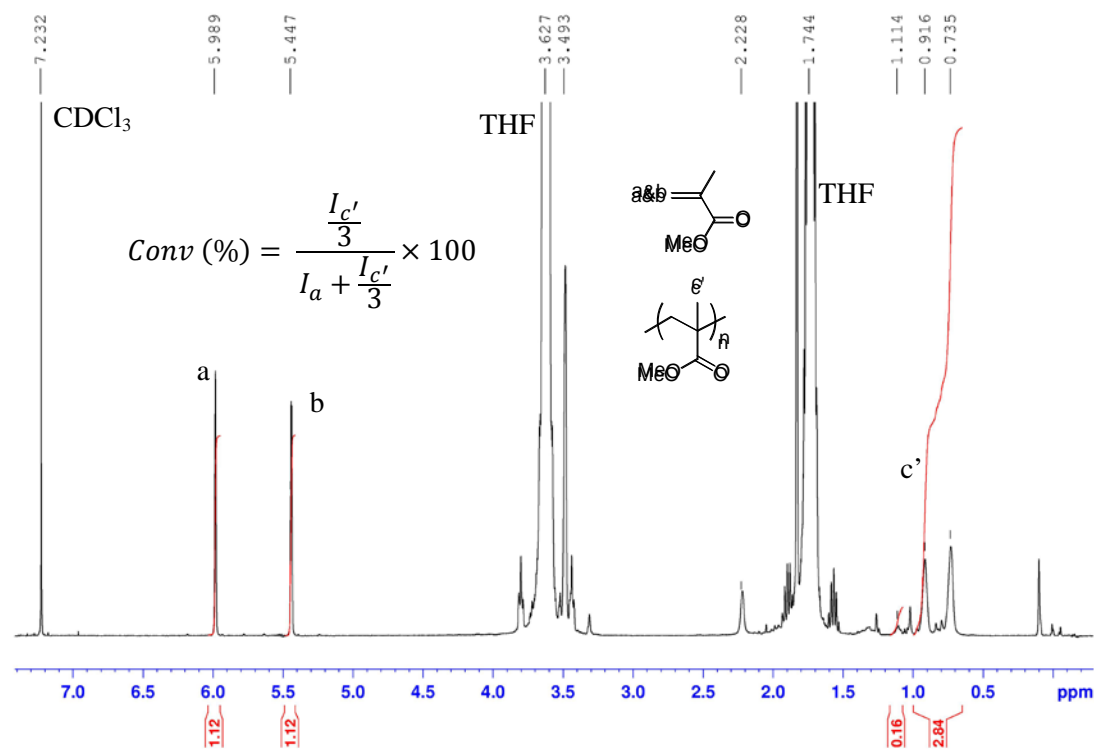


Figure S2. ¹H NMR spectrum in CDCl₃ of the crude product formed by group transfer polymerization of methyl methacrylate in THF, calculation of the conversion is shown in the inserted formula.

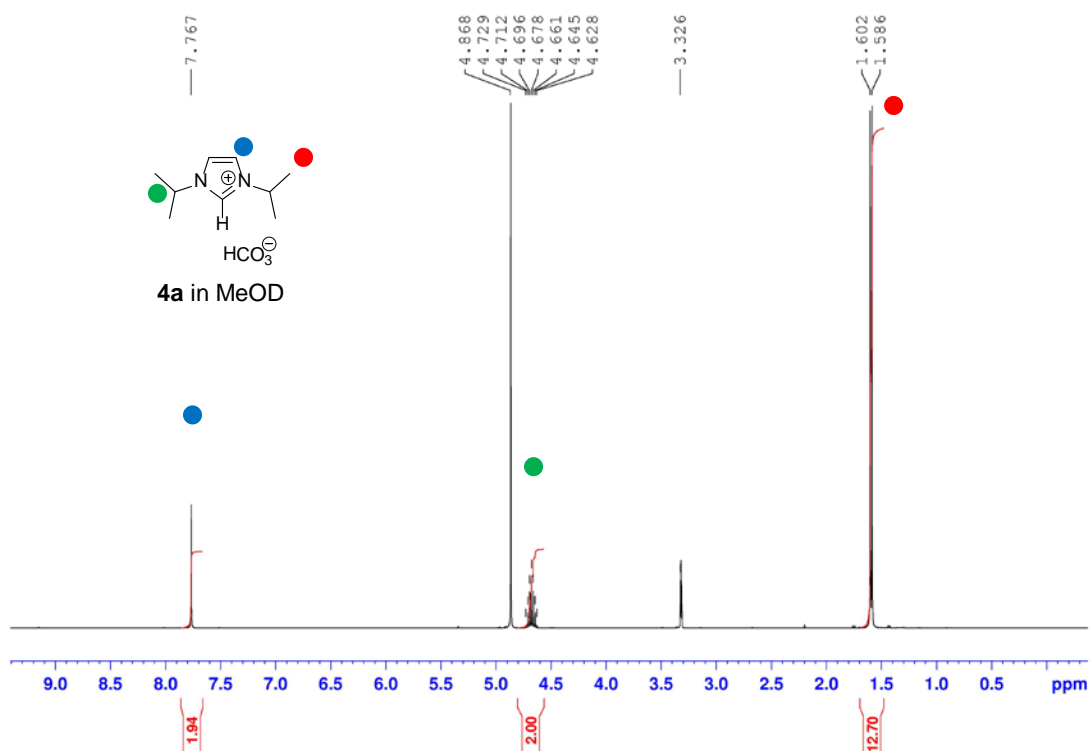


Figure S3. ^1H NMR spectrum of compound **4a** in MeOD.

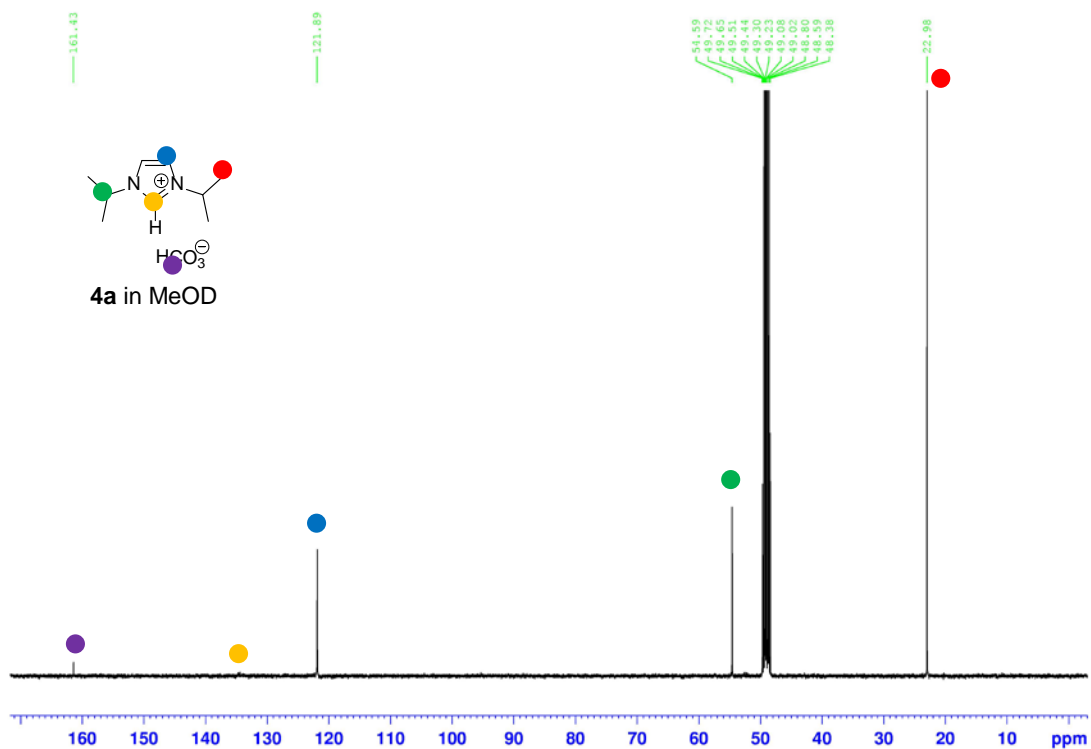


Figure S4. ^{13}C NMR spectrum of compound **4a** in MeOD.

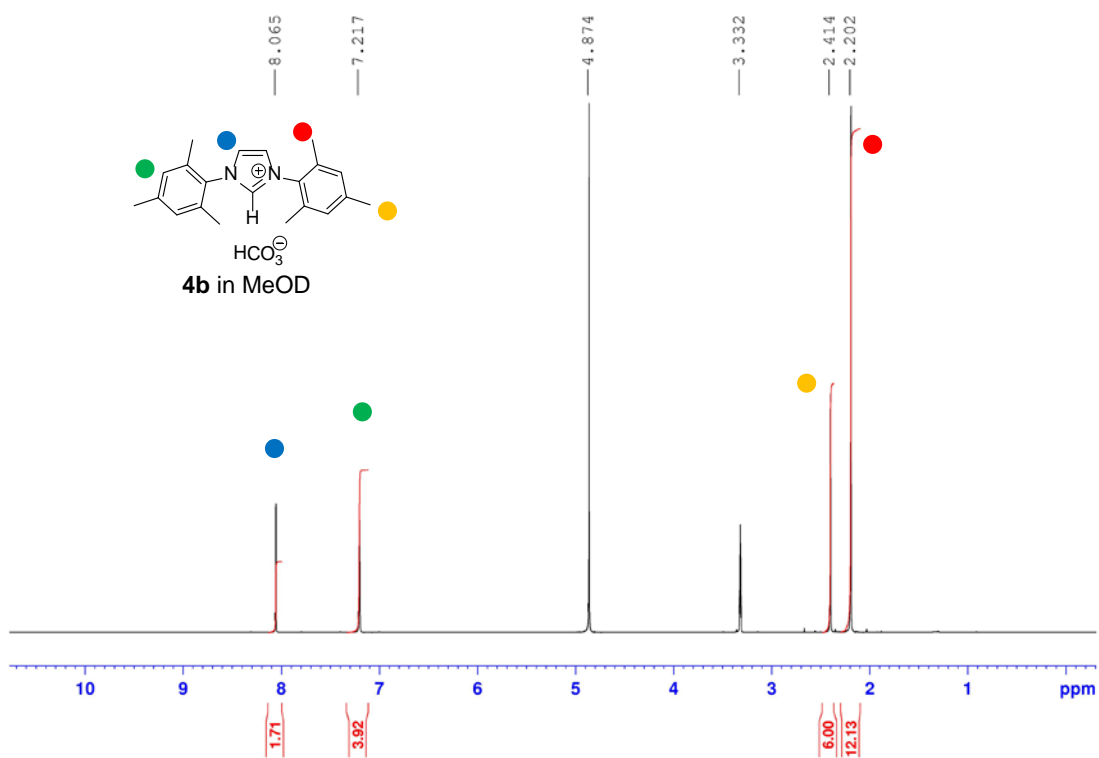


Figure S5. ^1H NMR spectrum of compound **4b** in MeOD.

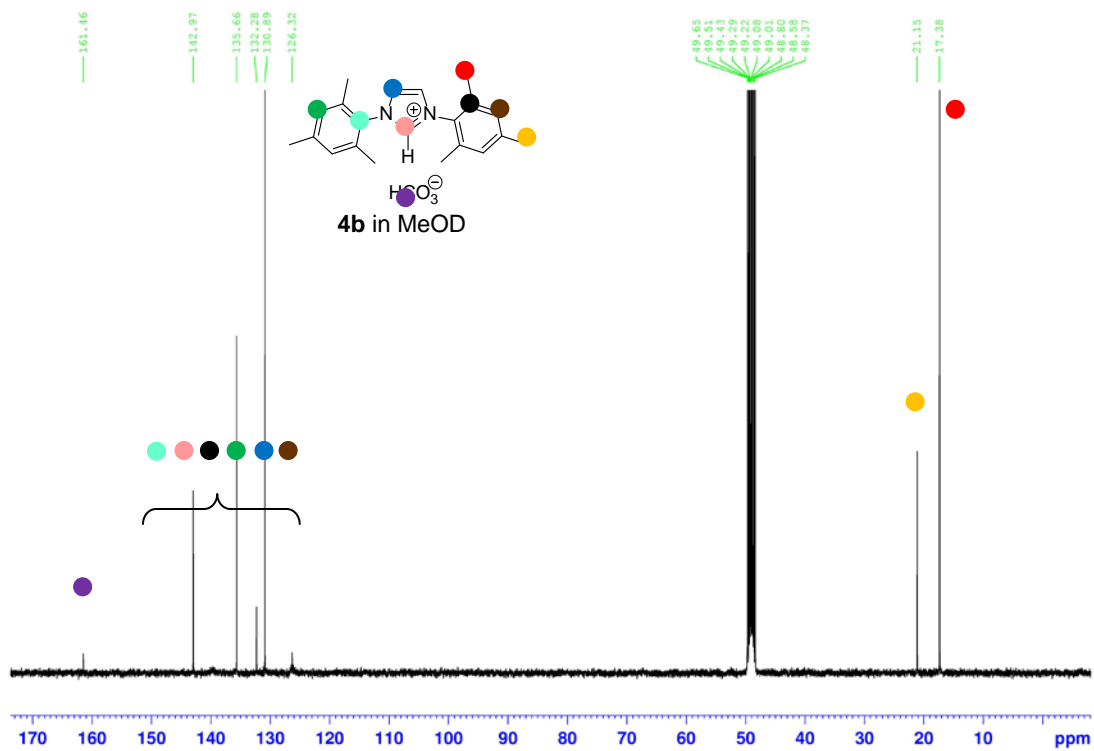


Figure S6. ^{13}C NMR spectrum of compound **4b** in MeOD.

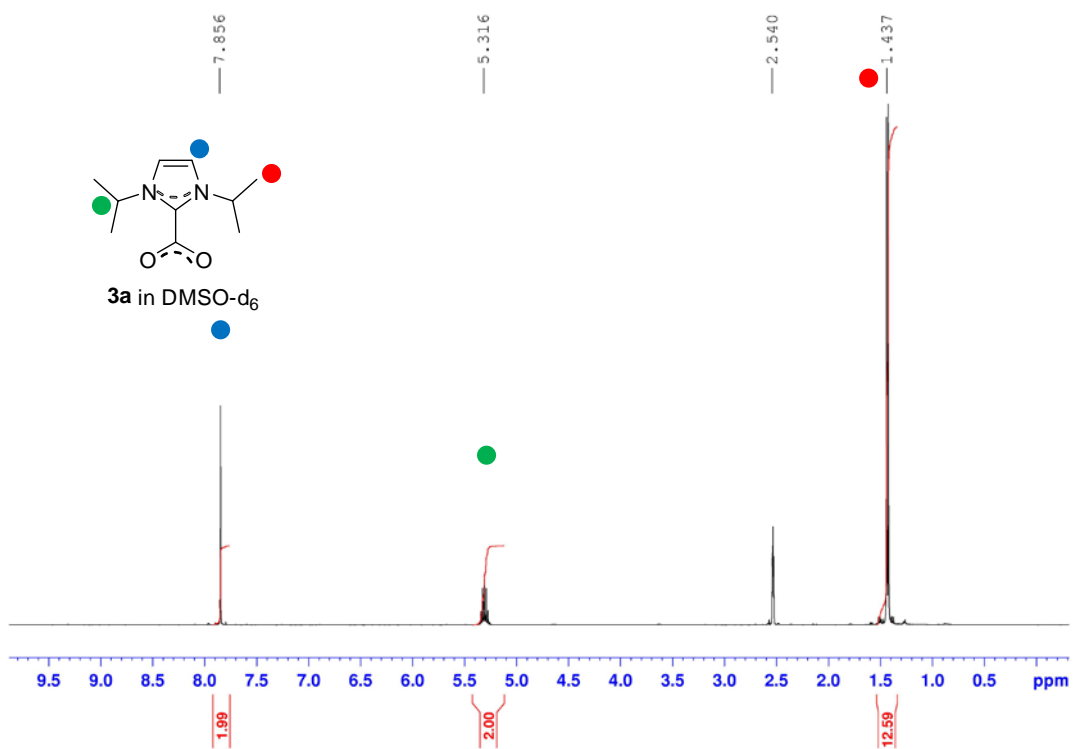


Figure S7. ¹H NMR spectrum of compound **3a** in DMSO-d₆.

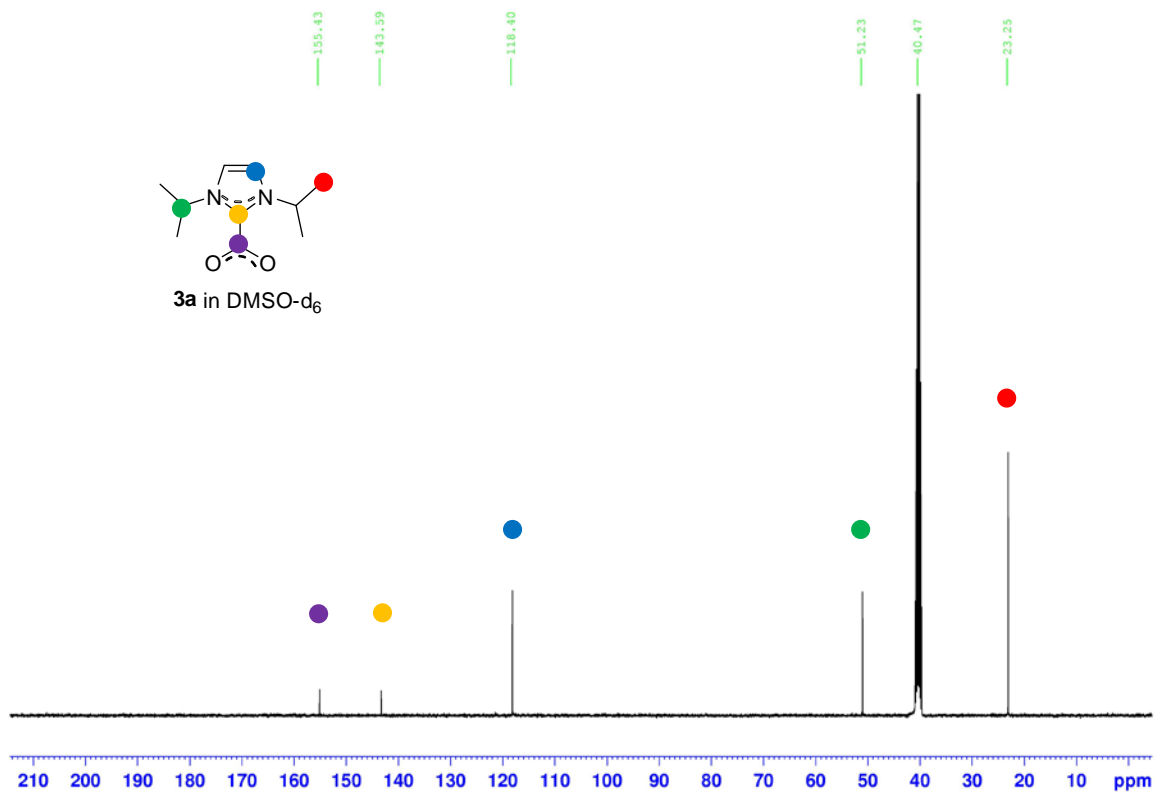


Figure S8. ¹³C NMR spectrum of compound **3a** in DMSO-d₆.

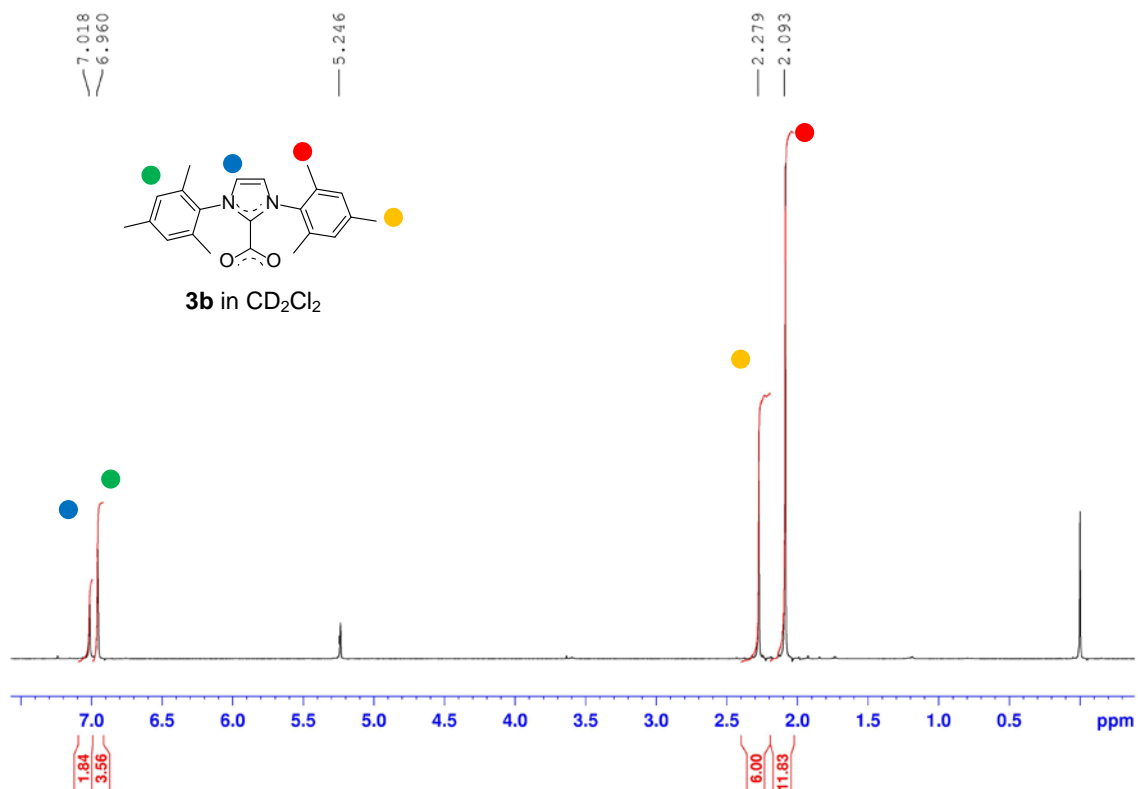


Figure S9. ^1H NMR spectrum of compound **3b** in CD_2Cl_2 .

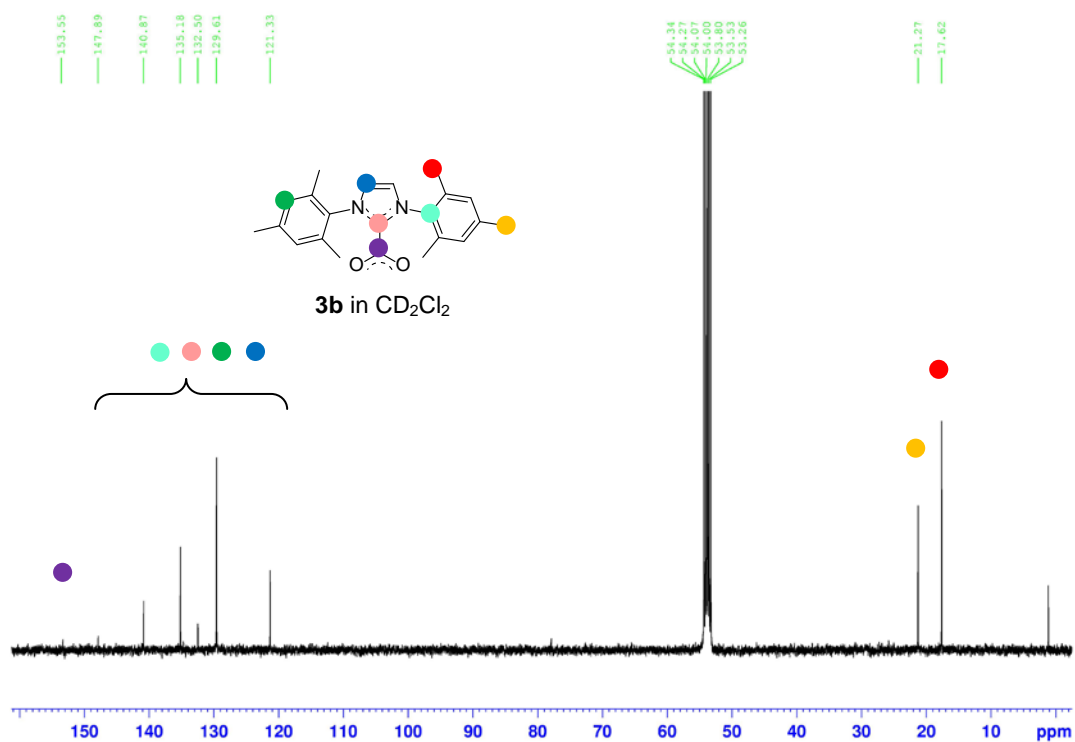


Figure S10. ^{13}C NMR spectrum of compound **3b** in CD_2Cl_2 .