

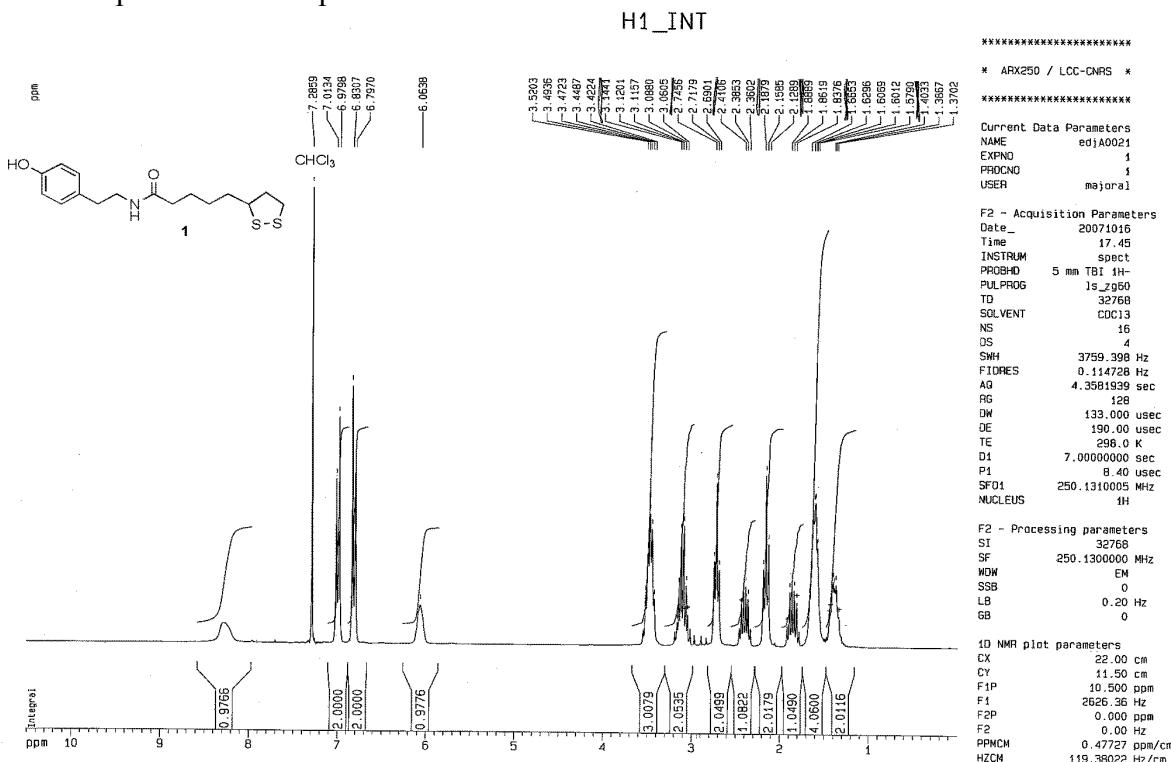
Supporting Information

Synthesis and characterization of bifunctional dendrimers. Preliminary use for the coating of gold surfaces and the proliferation of human osteoblasts (HOB).

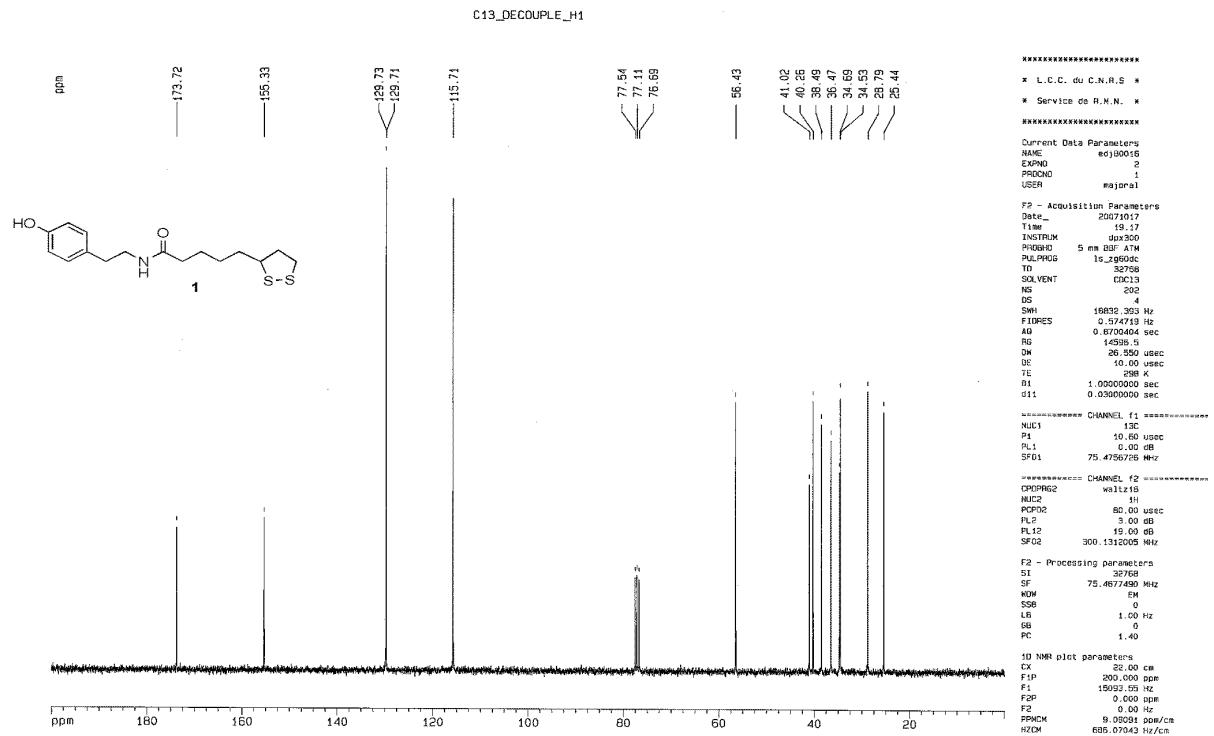
Edwin R. de Jong, Nicole Deloch, Wolfgang Knoll, Cédric-Olivier Turrin, Jean-Pierre Majoral,
Anne-Marie Caminade,* Ingo Köper*

NMR spectra of all compounds

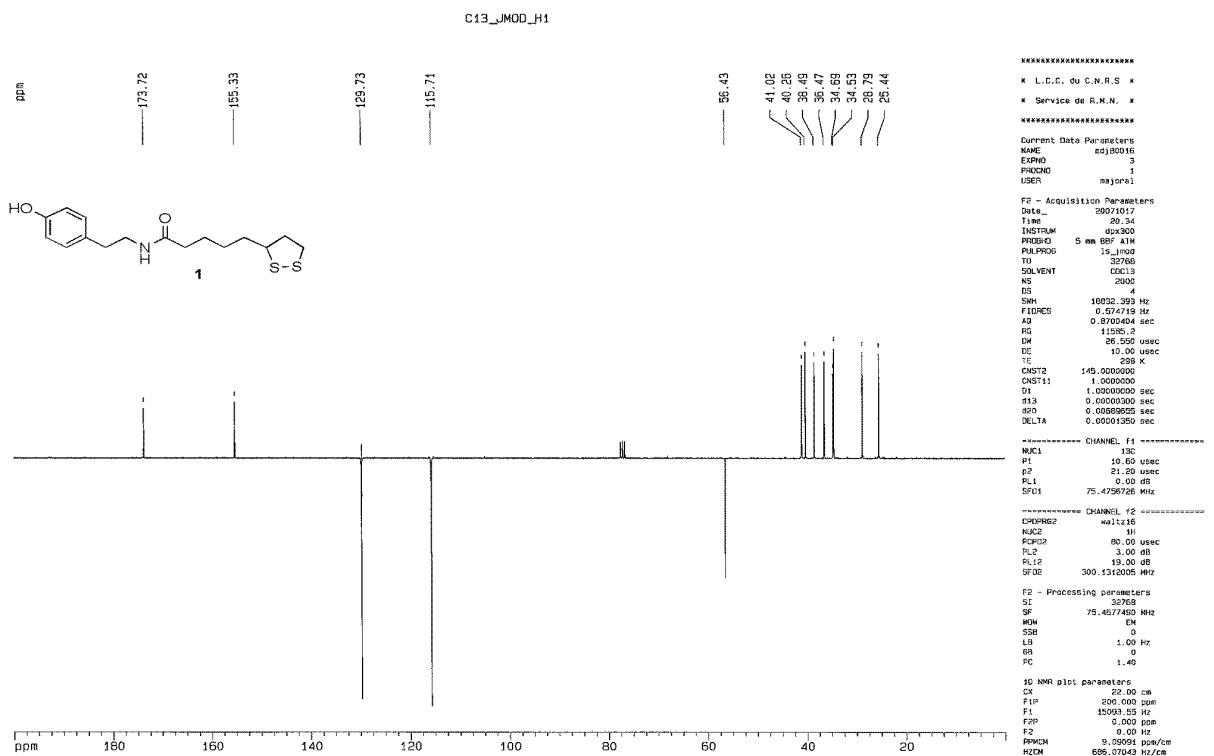
¹H NMR spectrum of compound 1



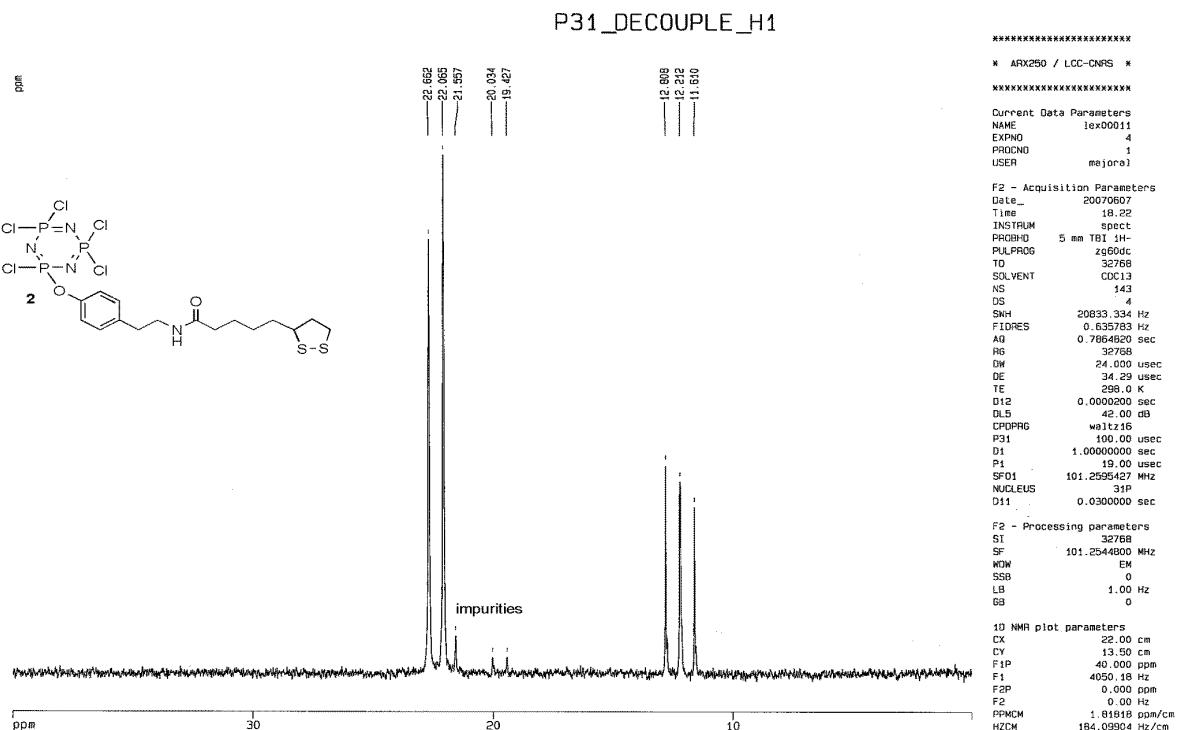
¹³C {¹H} NMR spectrum of compound **1**



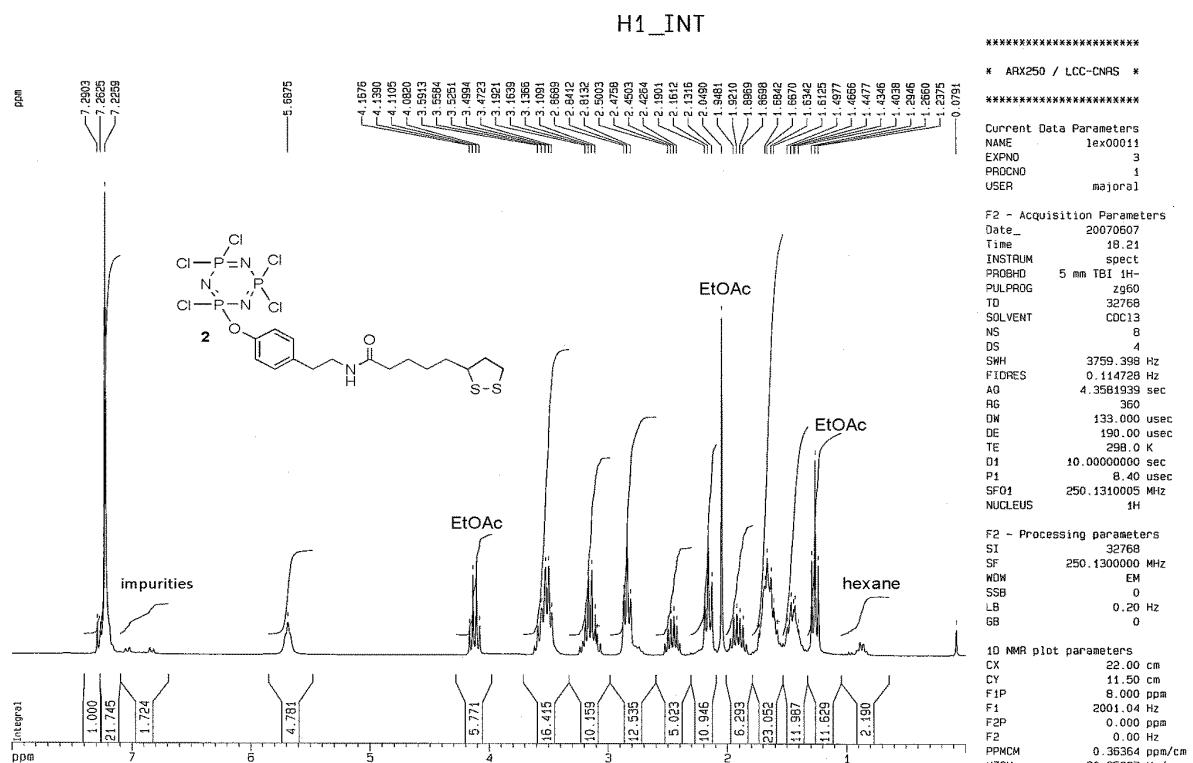
¹³C Jmod NMR spectrum of compound **1**



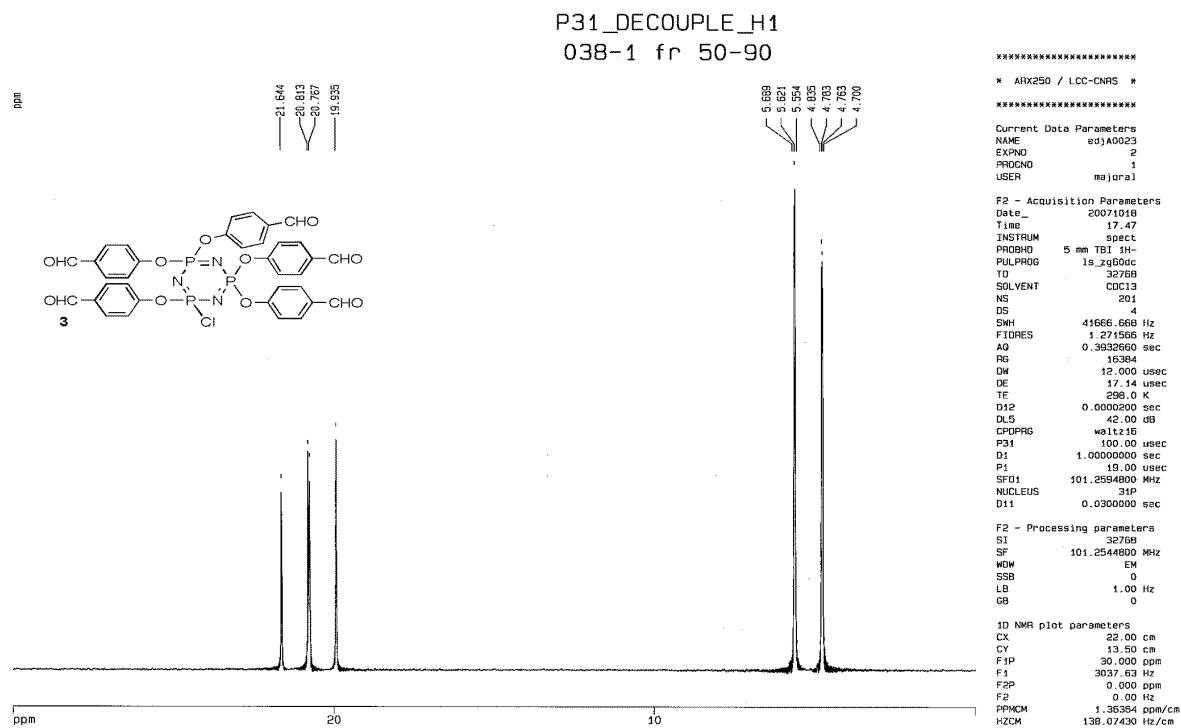
³¹P {¹H} NMR spectrum of compound 2



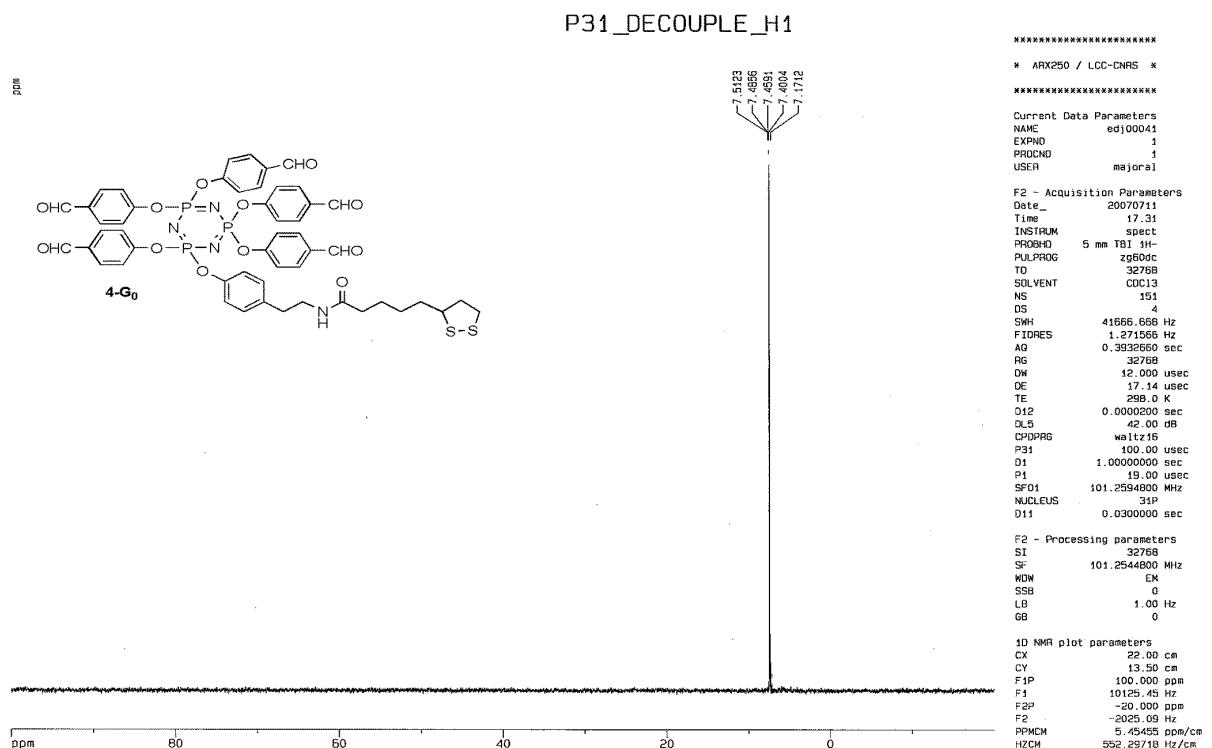
¹H NMR spectrum of compound 2



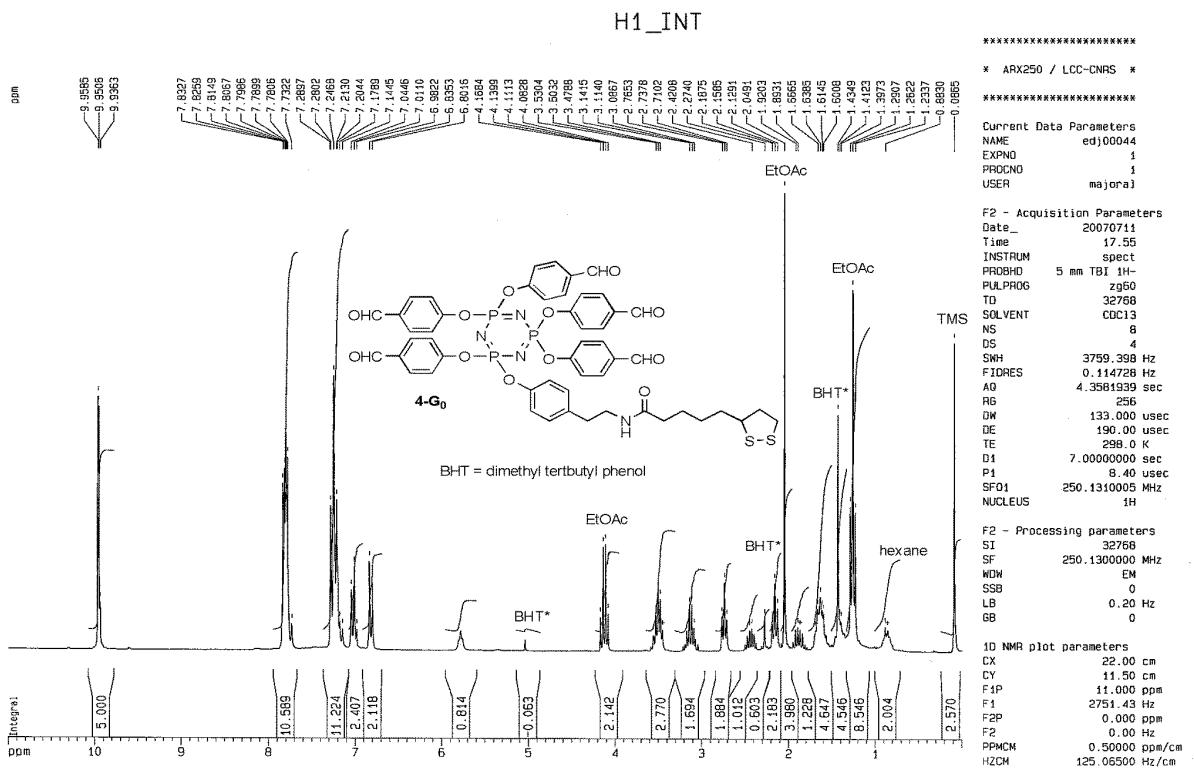
$^{31}\text{P} \{^1\text{H}\}$ NMR spectrum of compound **3**



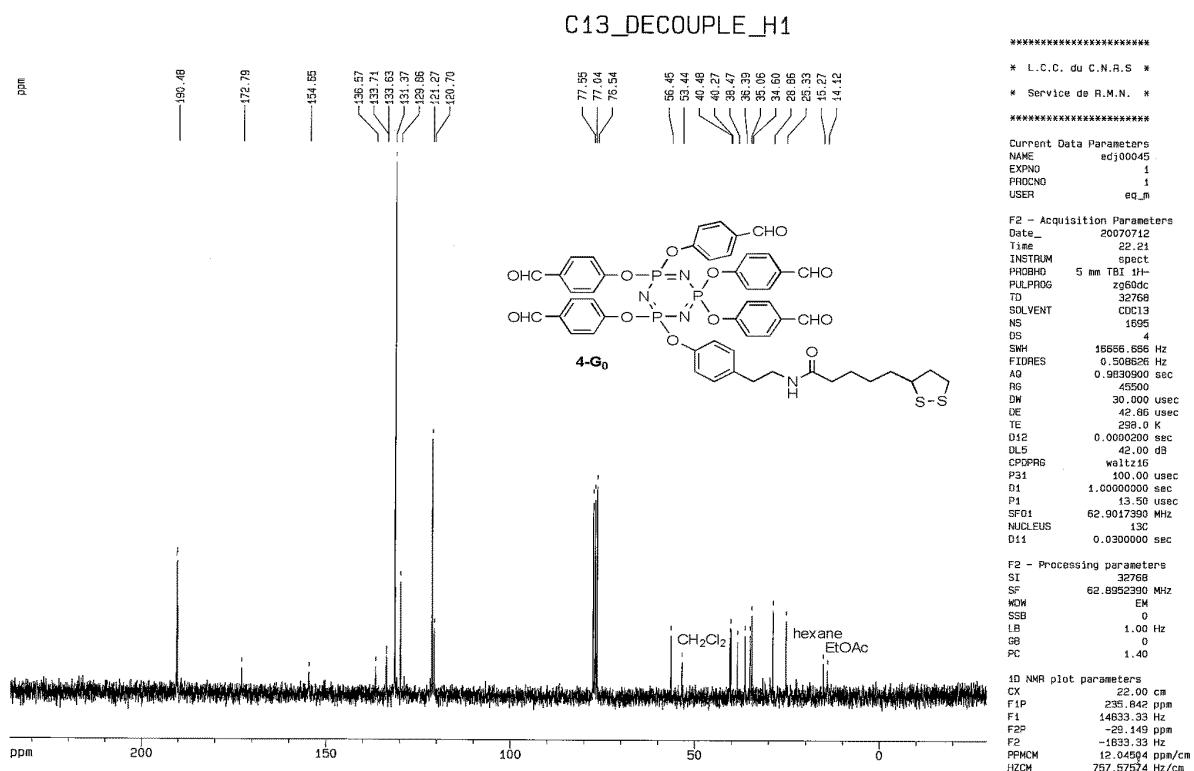
$^{31}\text{P} \{^1\text{H}\}$ NMR spectrum of compound **4-G₀**



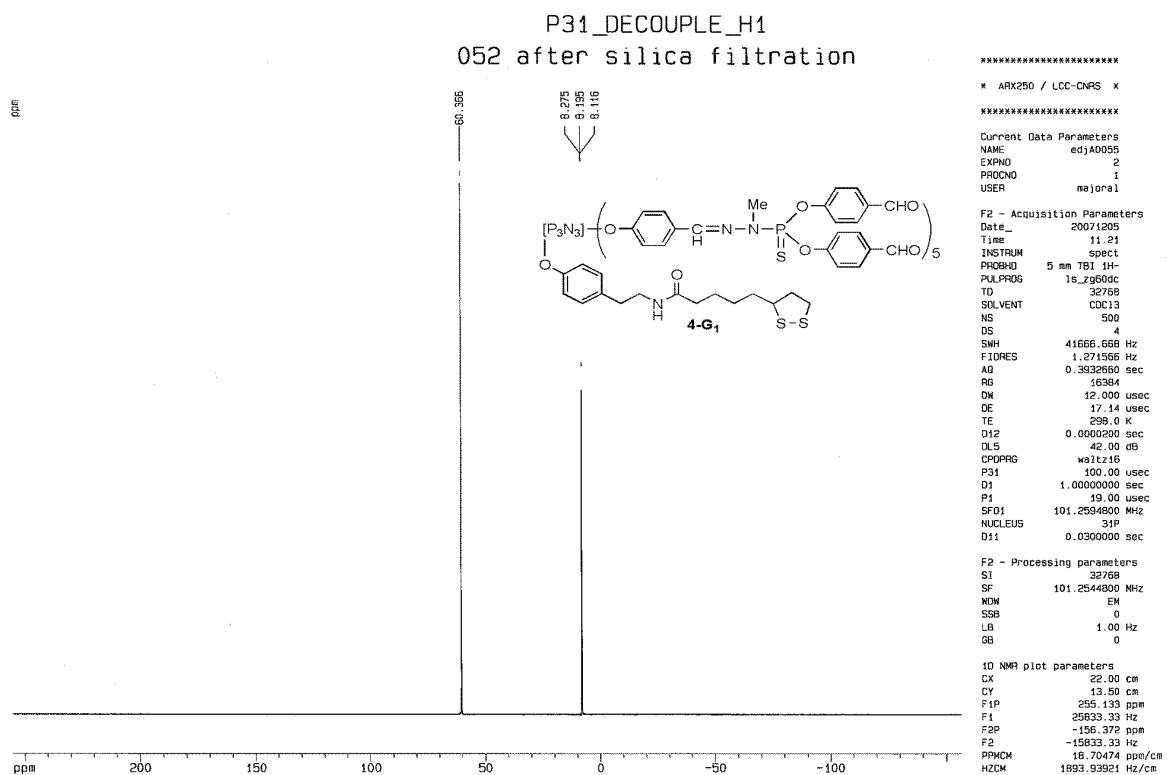
¹H NMR spectrum of compound **4-G₀**



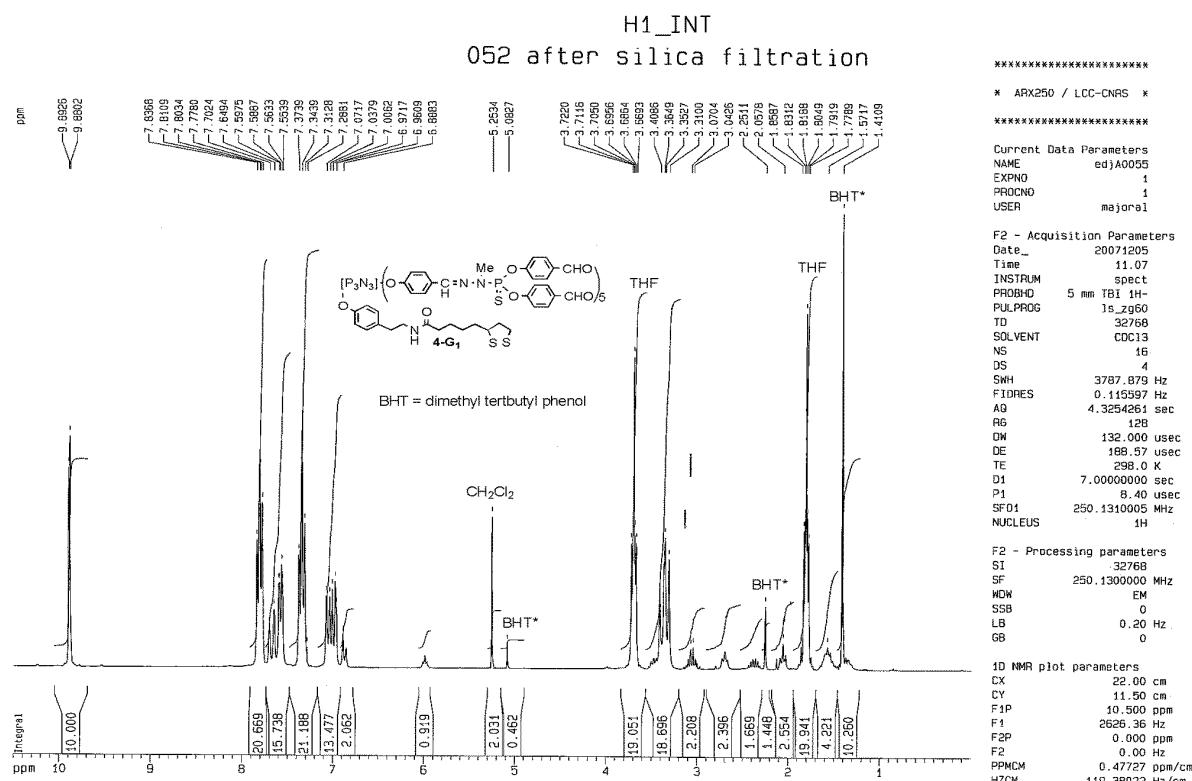
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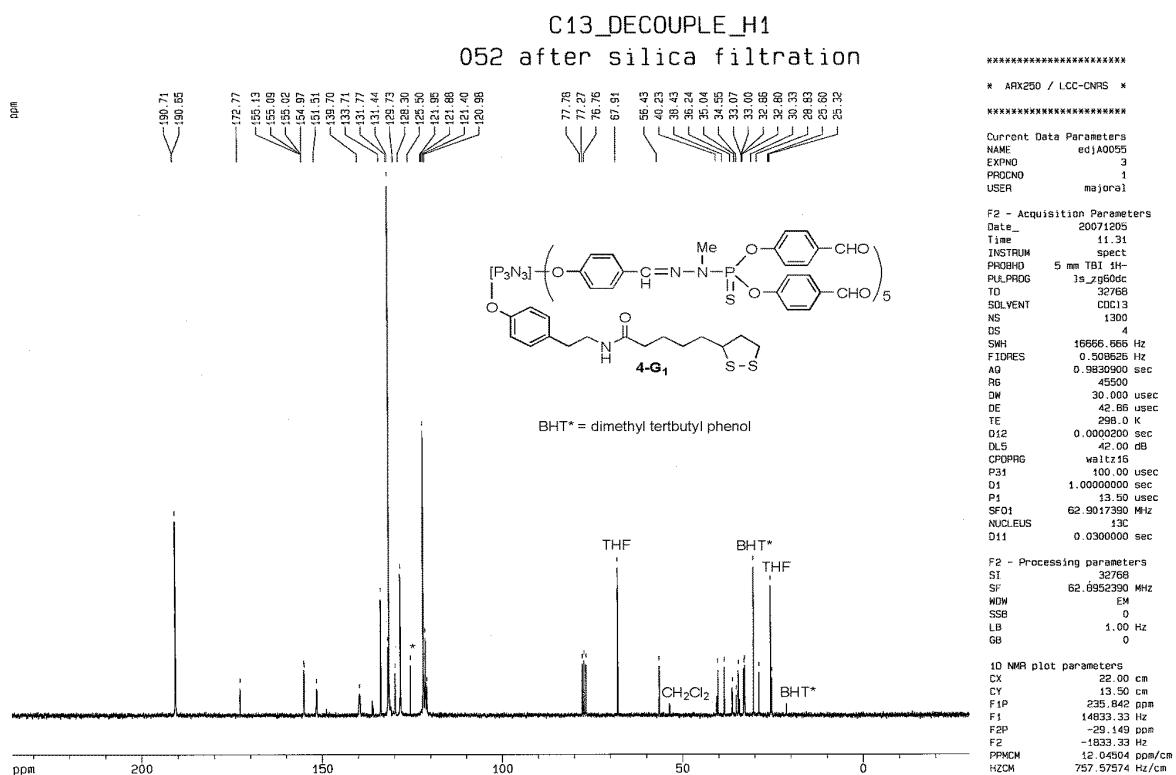
³¹P {¹H} NMR spectrum of compound **4-G₁**



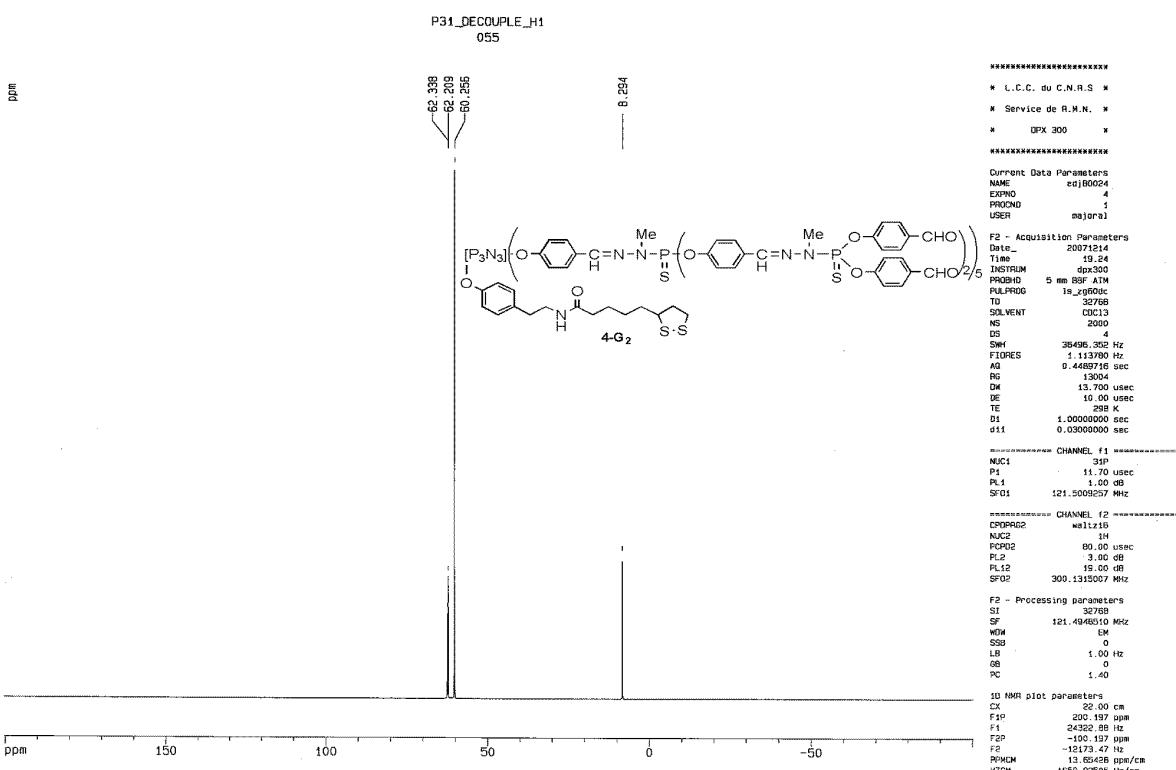
¹H NMR spectrum of compound 4-G₁



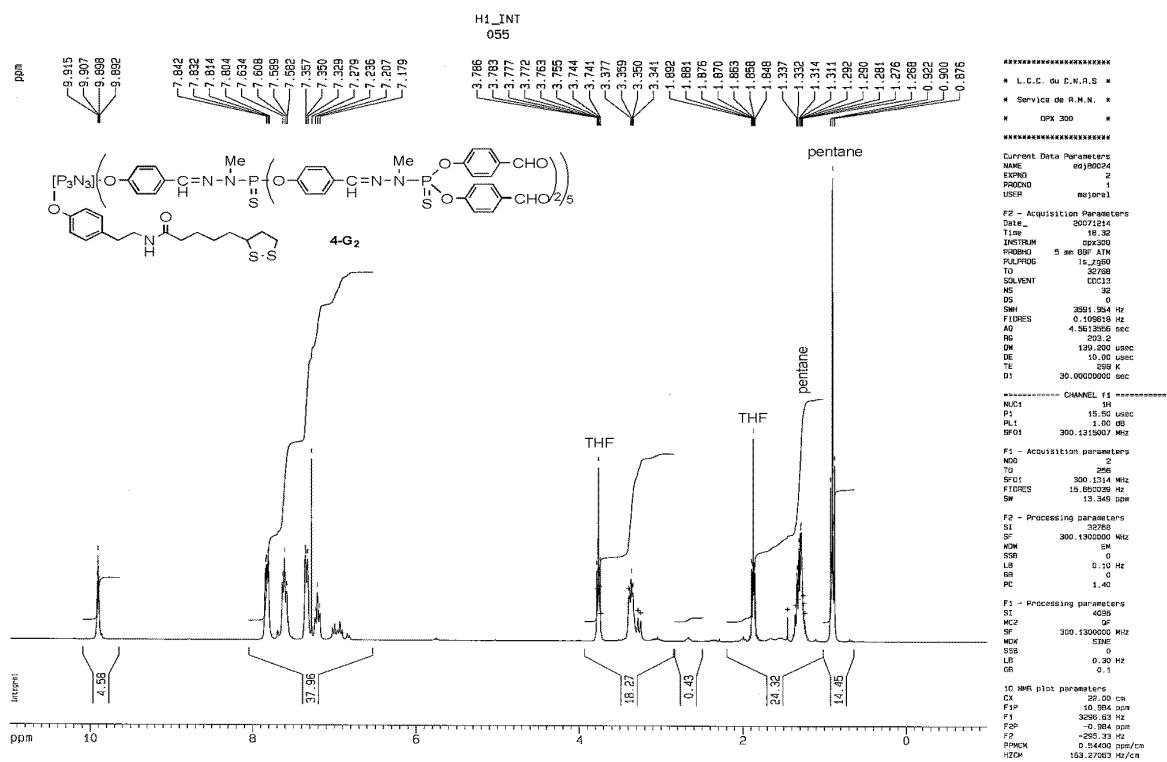
$^{13}\text{C} \{^1\text{H}\}$ NMR spectrum of compound 4-G₁



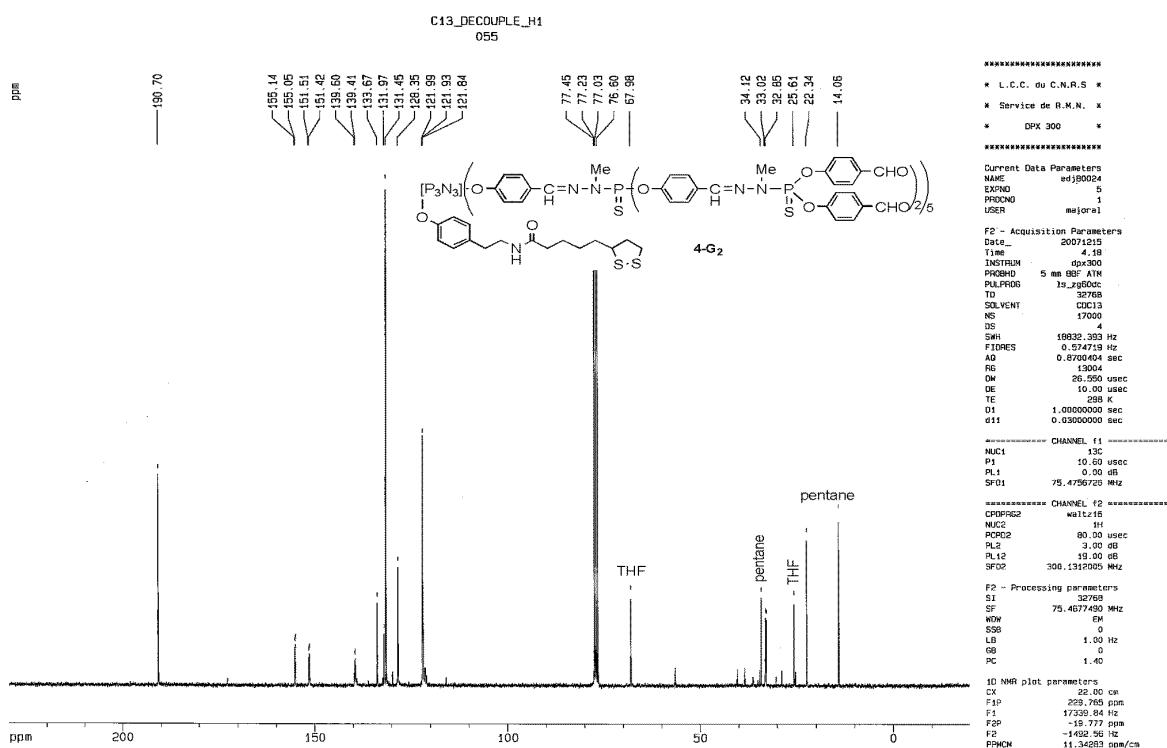
$^{31}\text{P} \{^1\text{H}\}$ NMR spectrum of compound 4-G₂



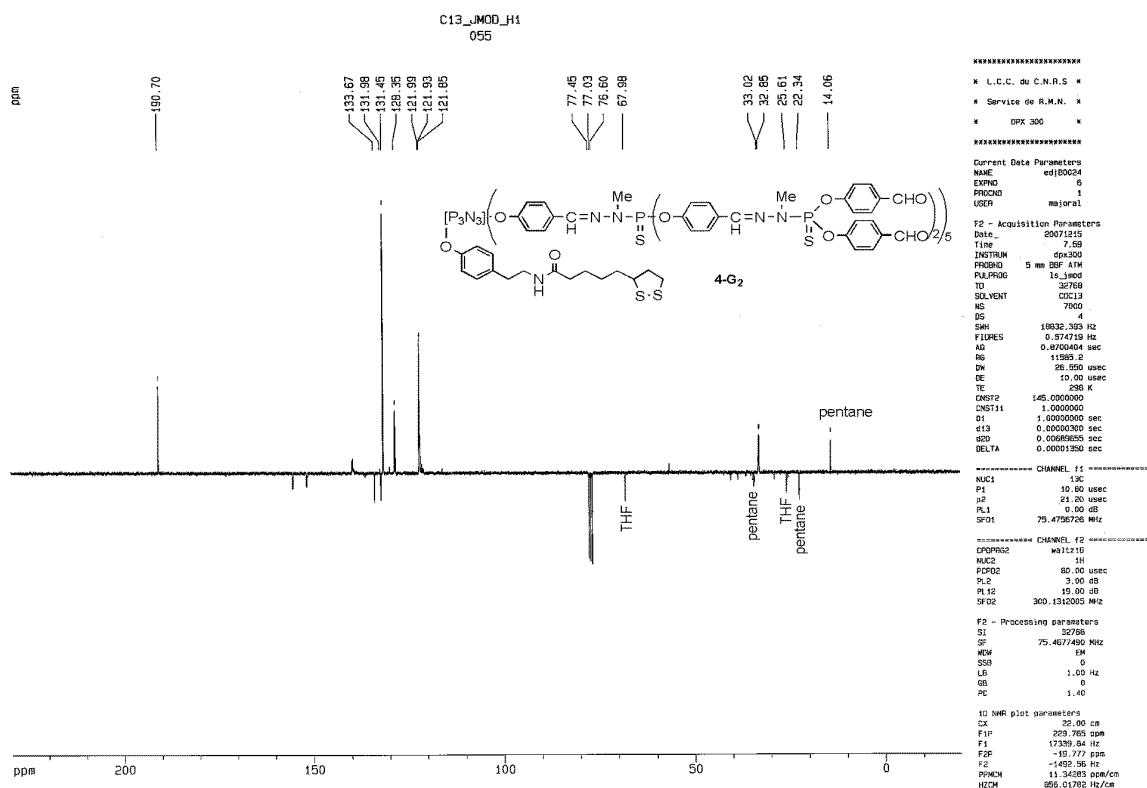
¹H NMR spectrum of compound 4-G₂



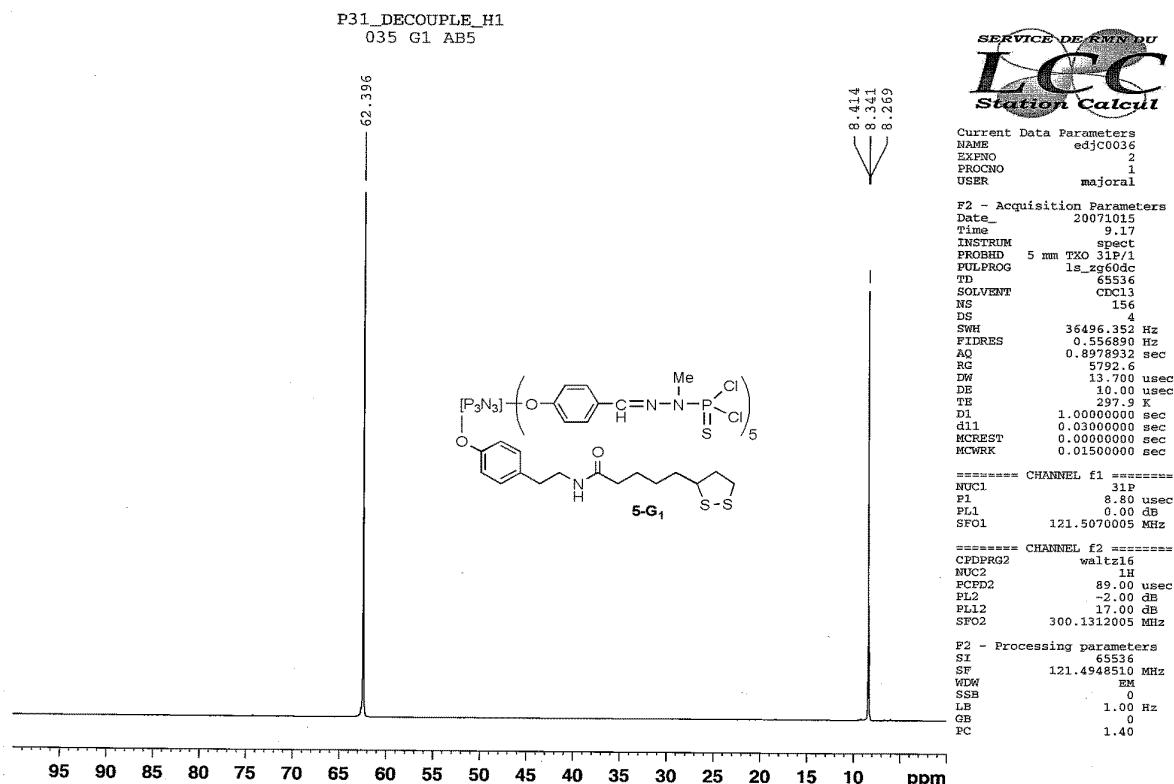
¹³C {¹H} NMR spectrum of compound **4-G₂**



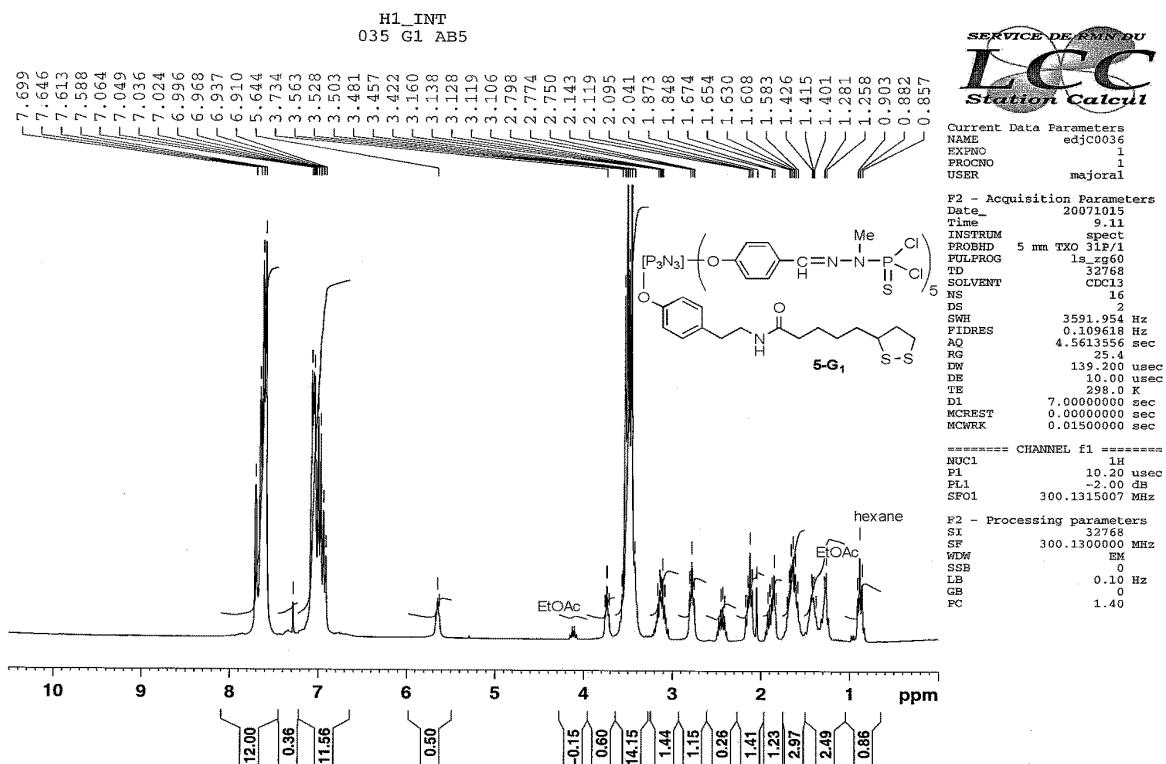
¹³C Jmod NMR spectrum of compound 4-G₂



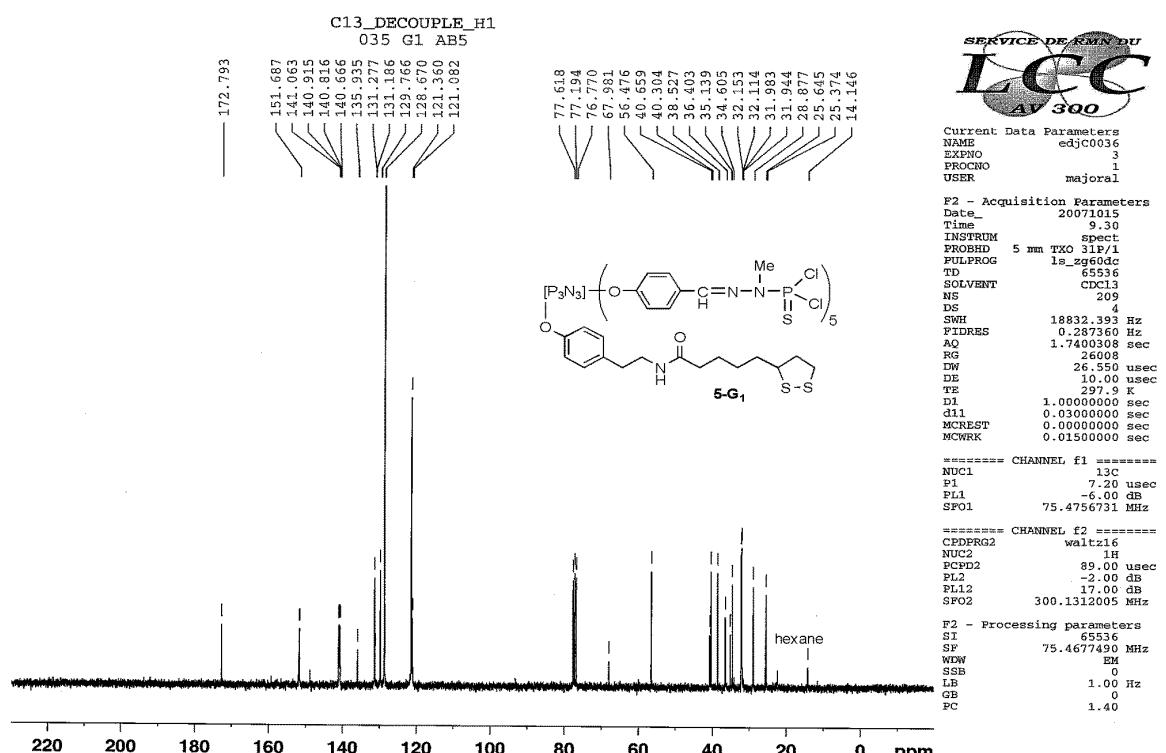
³¹P {¹H} NMR spectrum of compound 5-G₁



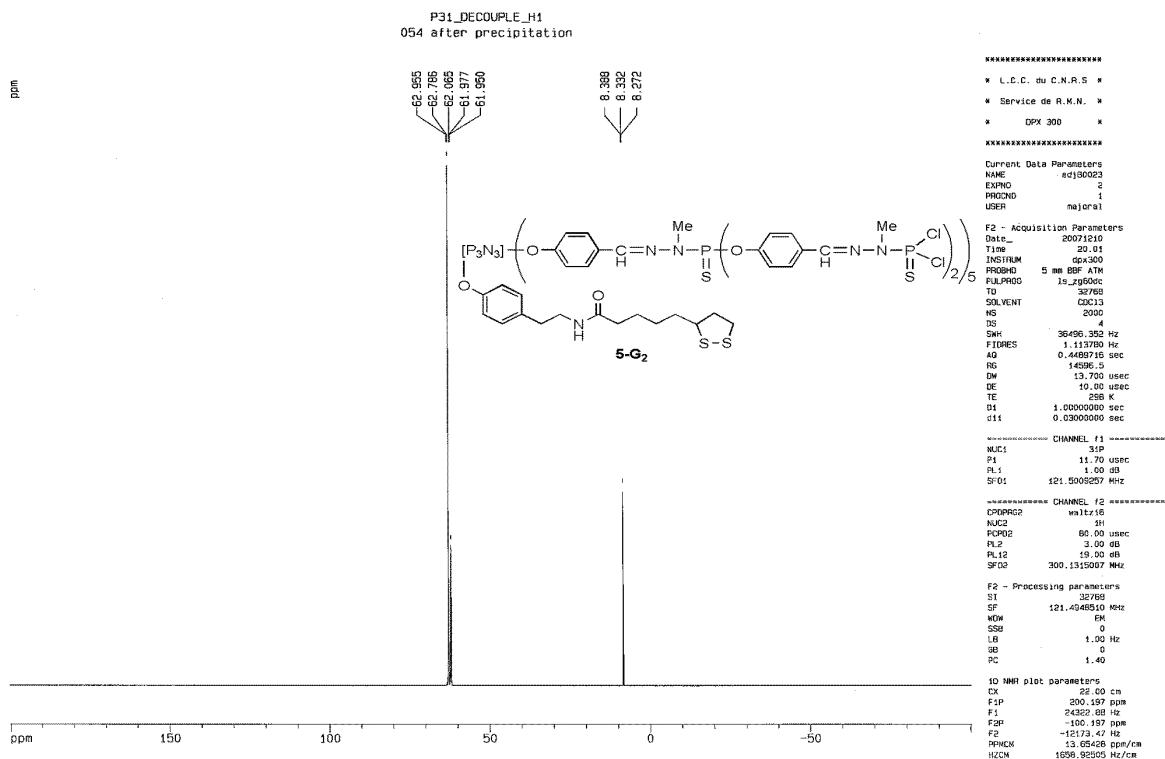
¹H NMR spectrum of compound 5-G₁



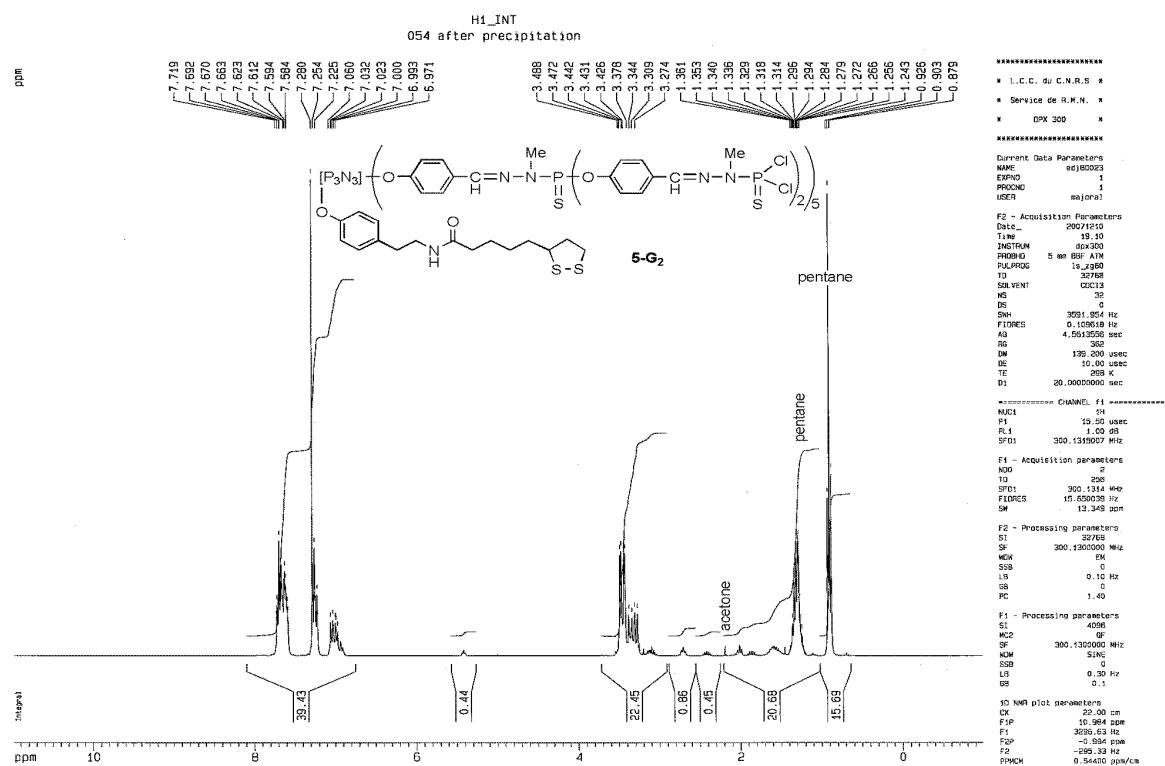
¹³C {¹H} NMR spectrum of compound 5-G₁



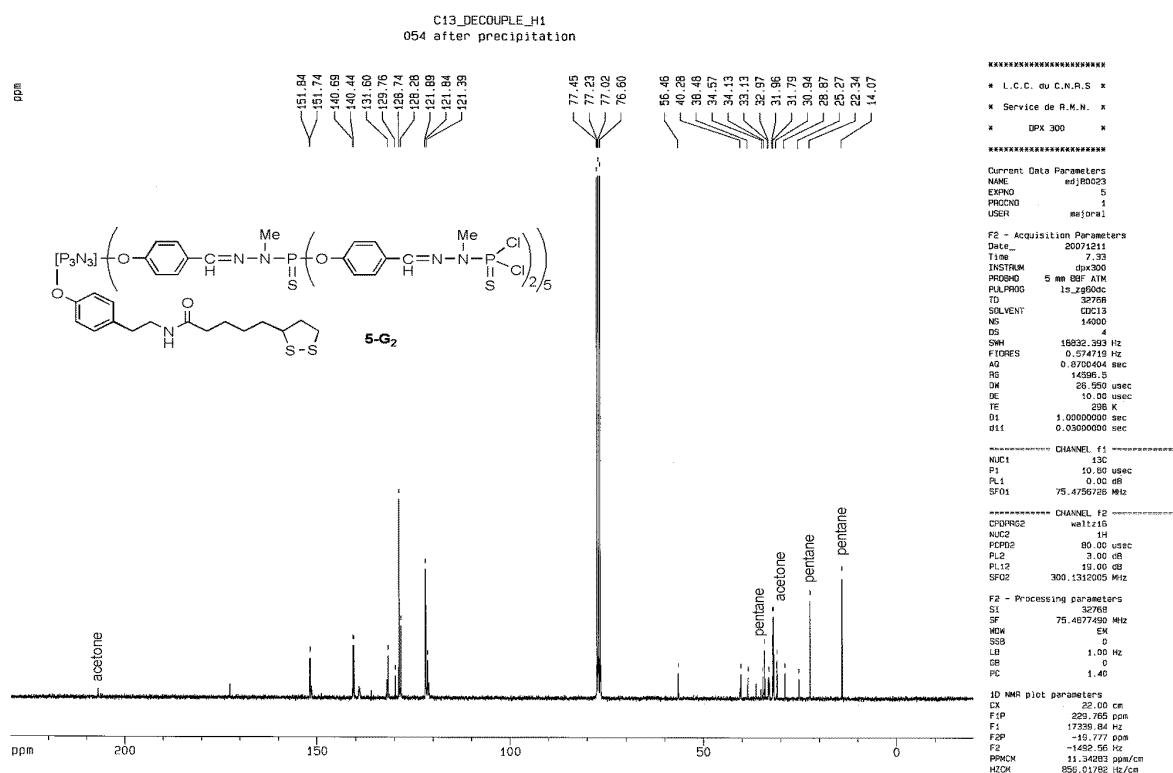
³¹P {¹H} NMR spectrum of compound **5-G₂**



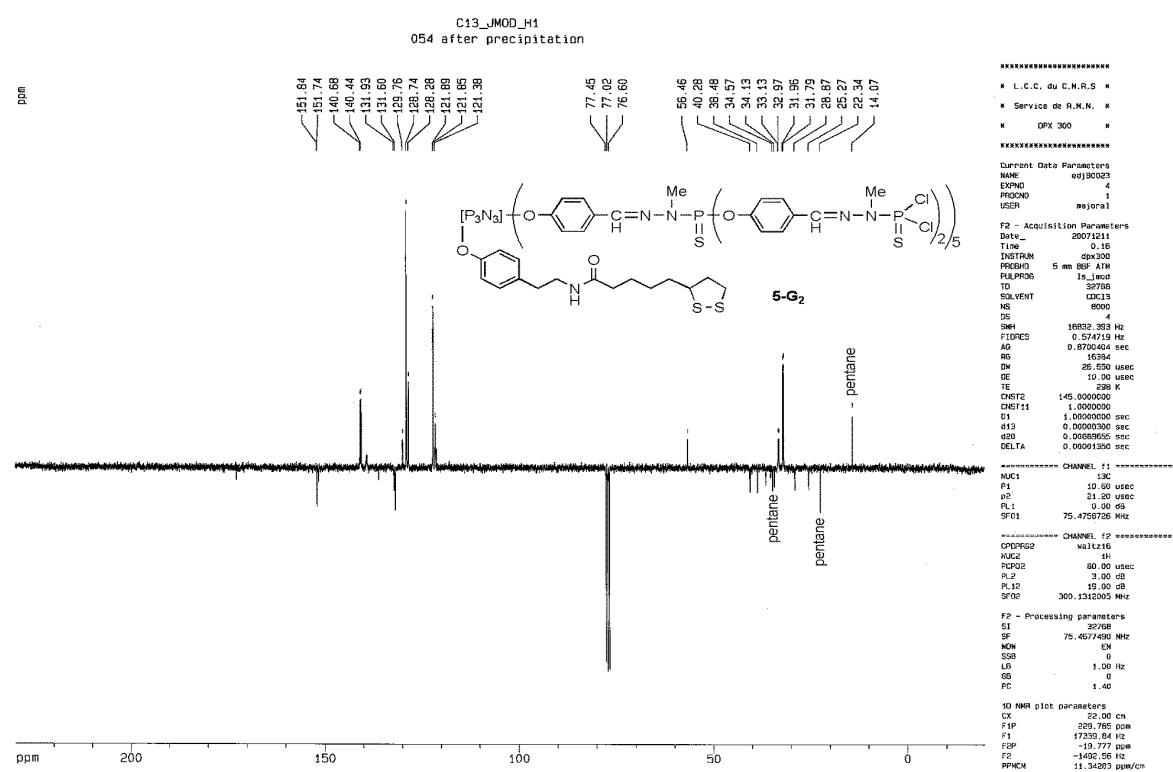
¹H NMR spectrum of compound **5-G₂**



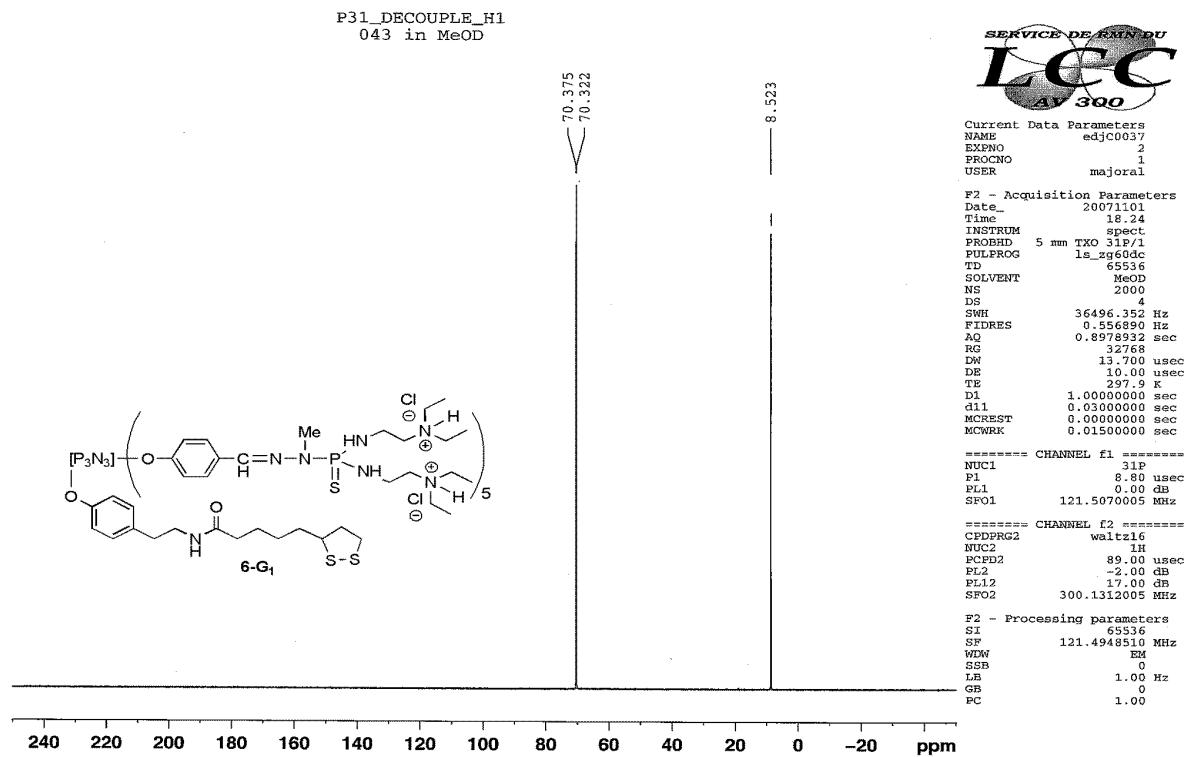
¹³C {¹H} NMR spectrum of compound 5-G₂



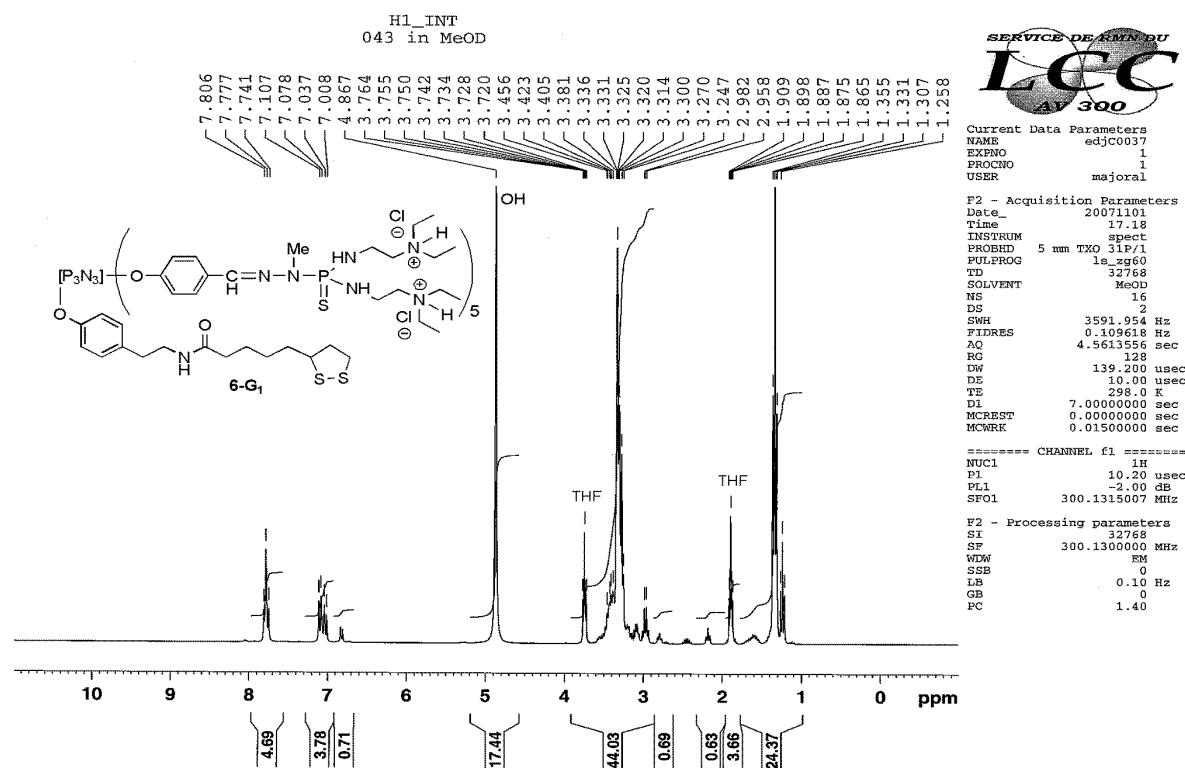
¹³C Jmod NMR spectrum of compound 5-G₂



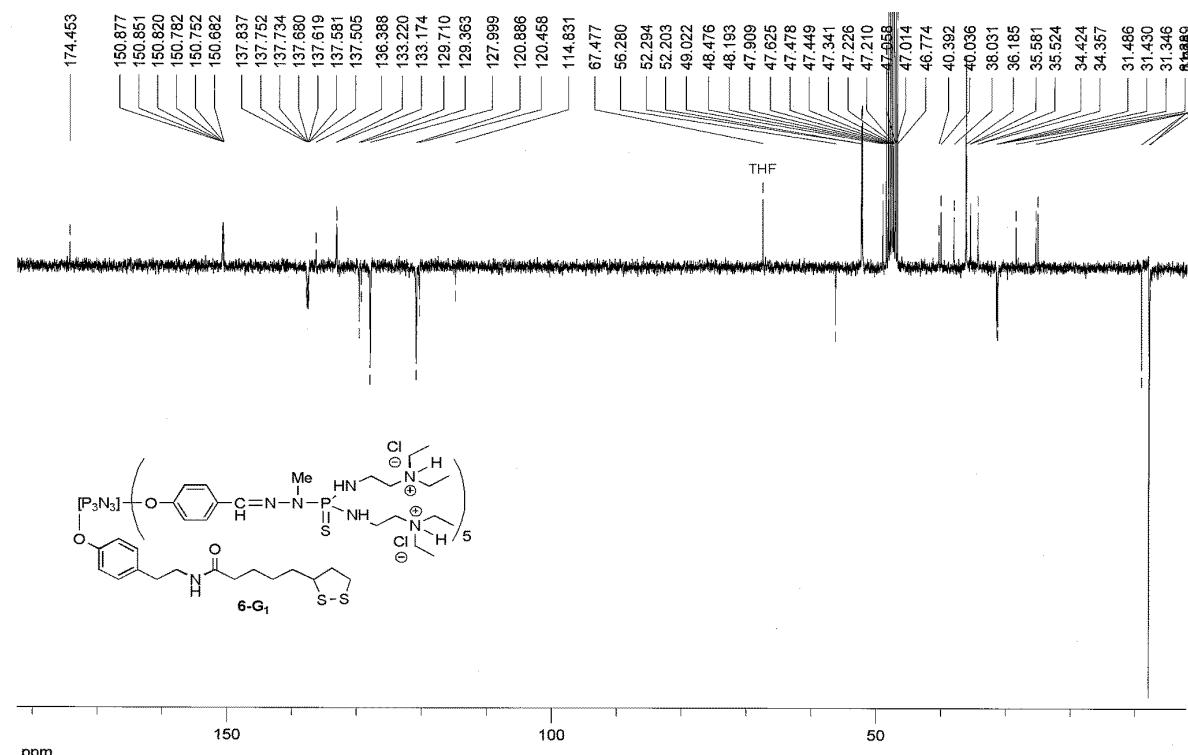
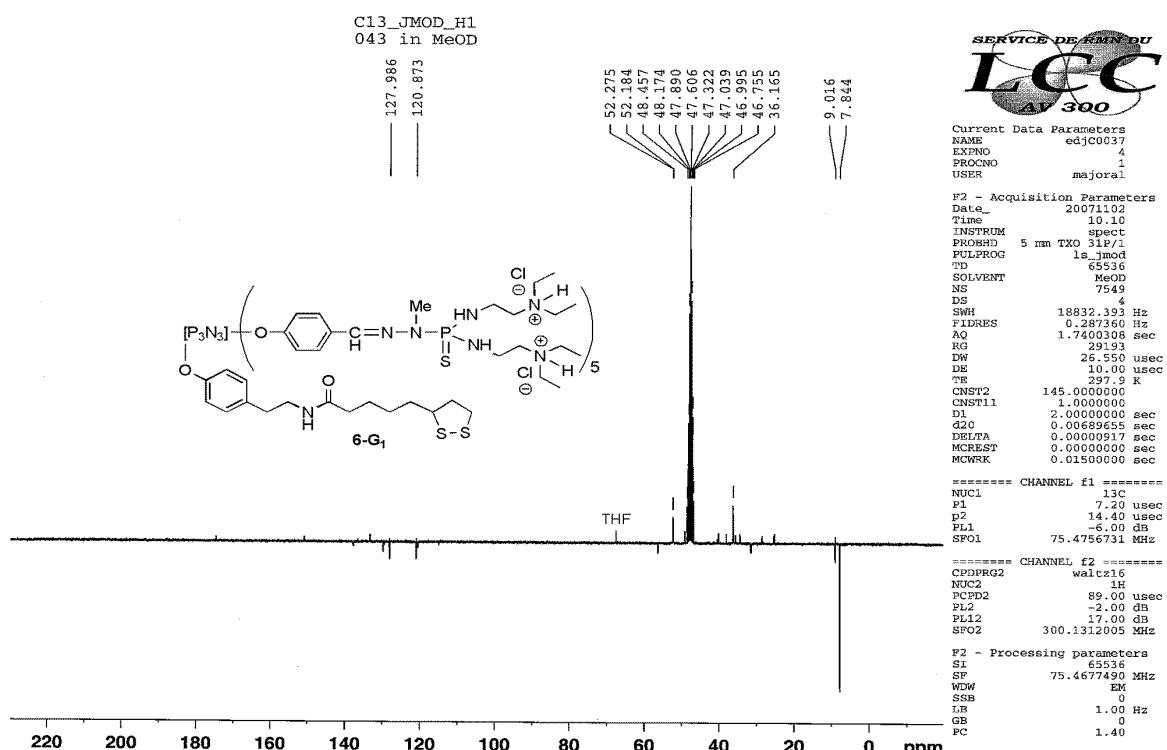
³¹P {¹H} NMR spectrum of compound **6-G₁**



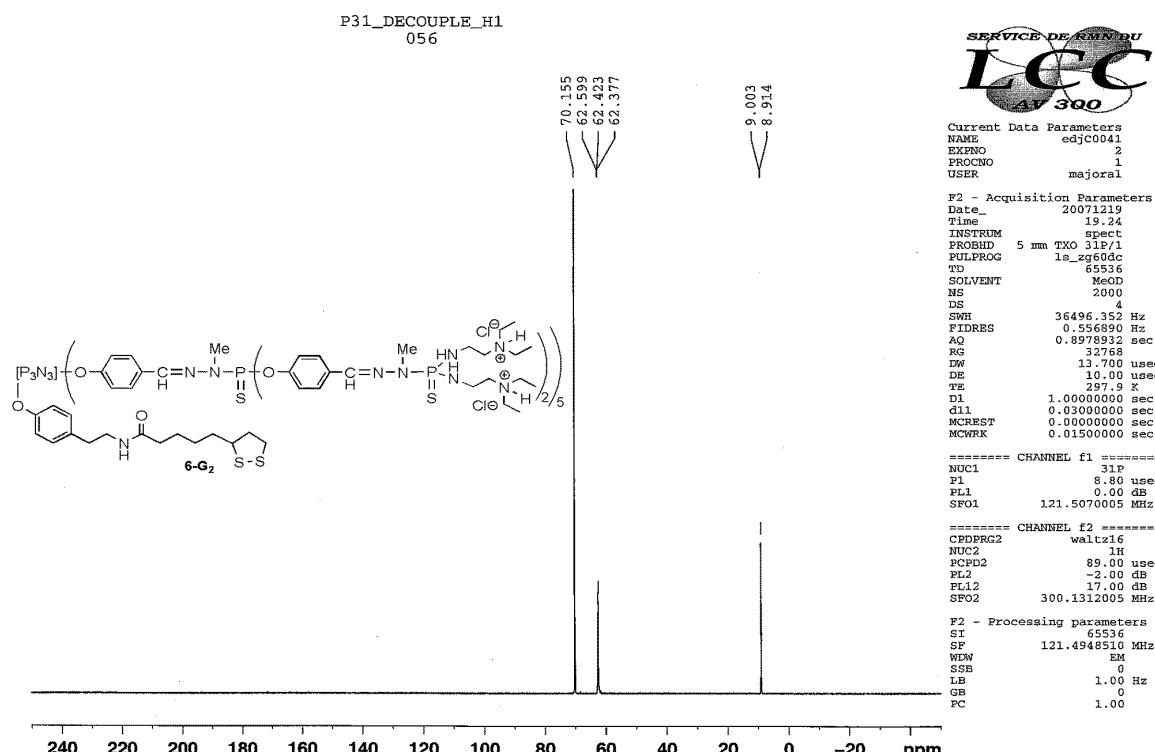
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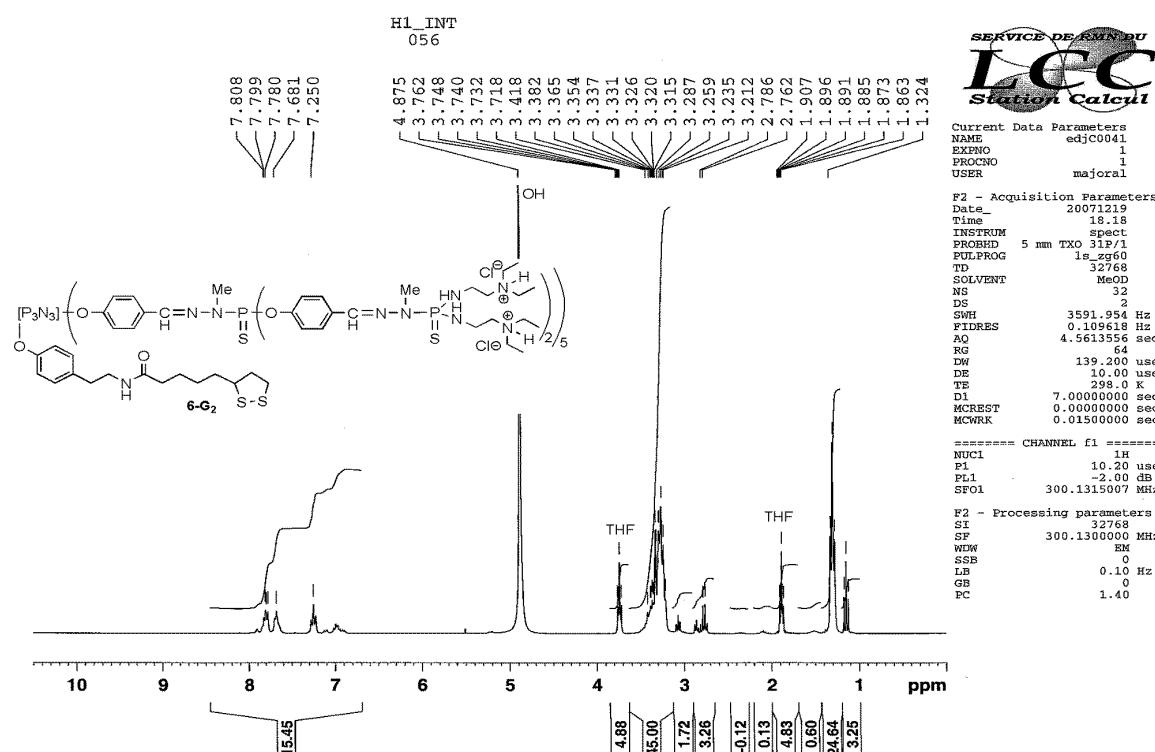
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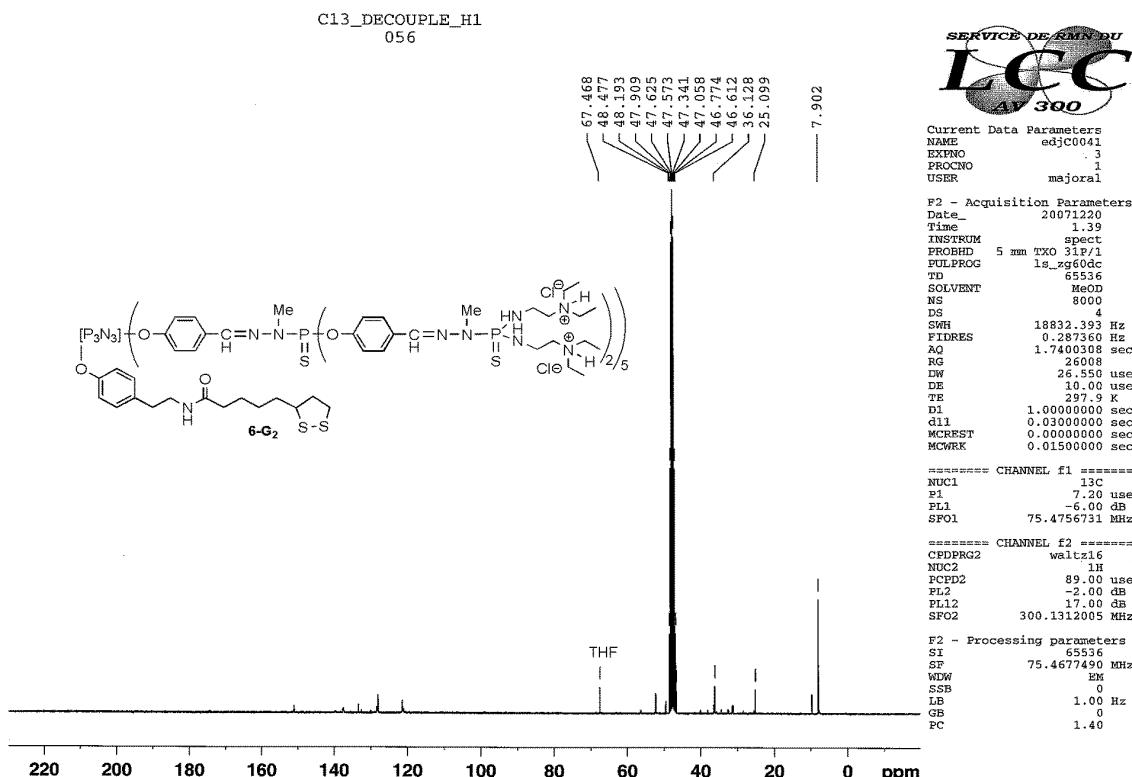
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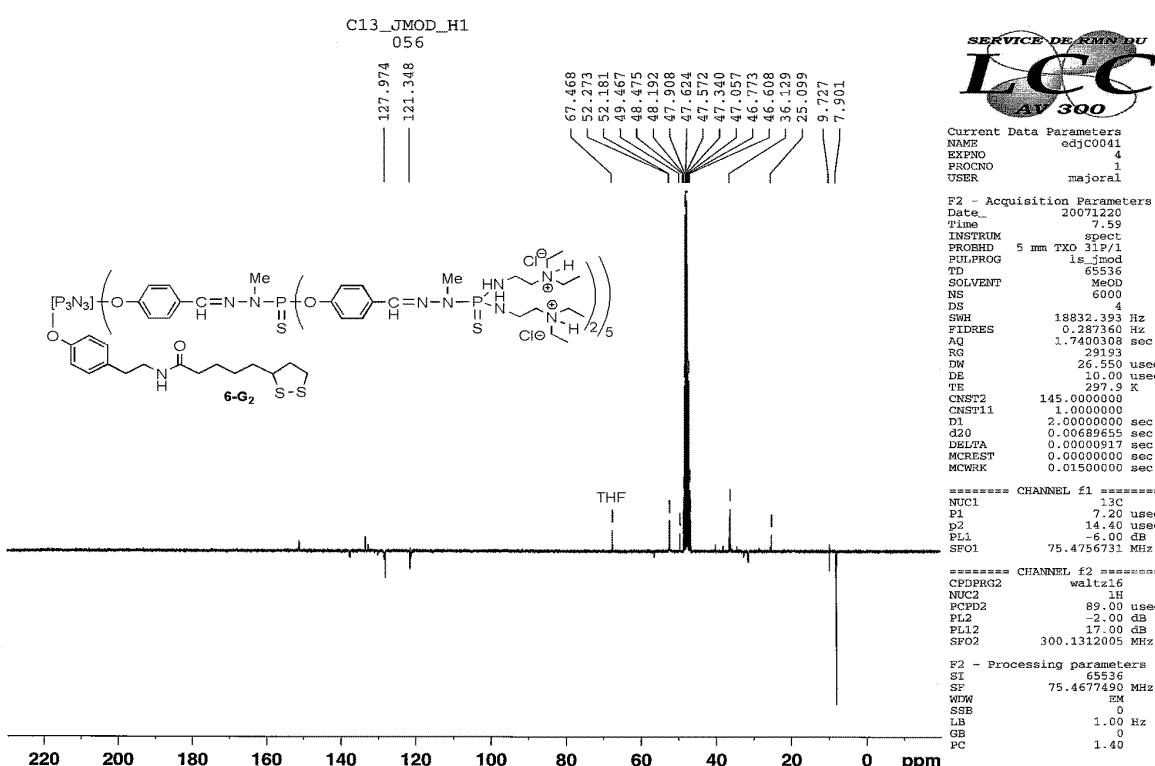
¹H NMR spectrum of compound 6-G₂



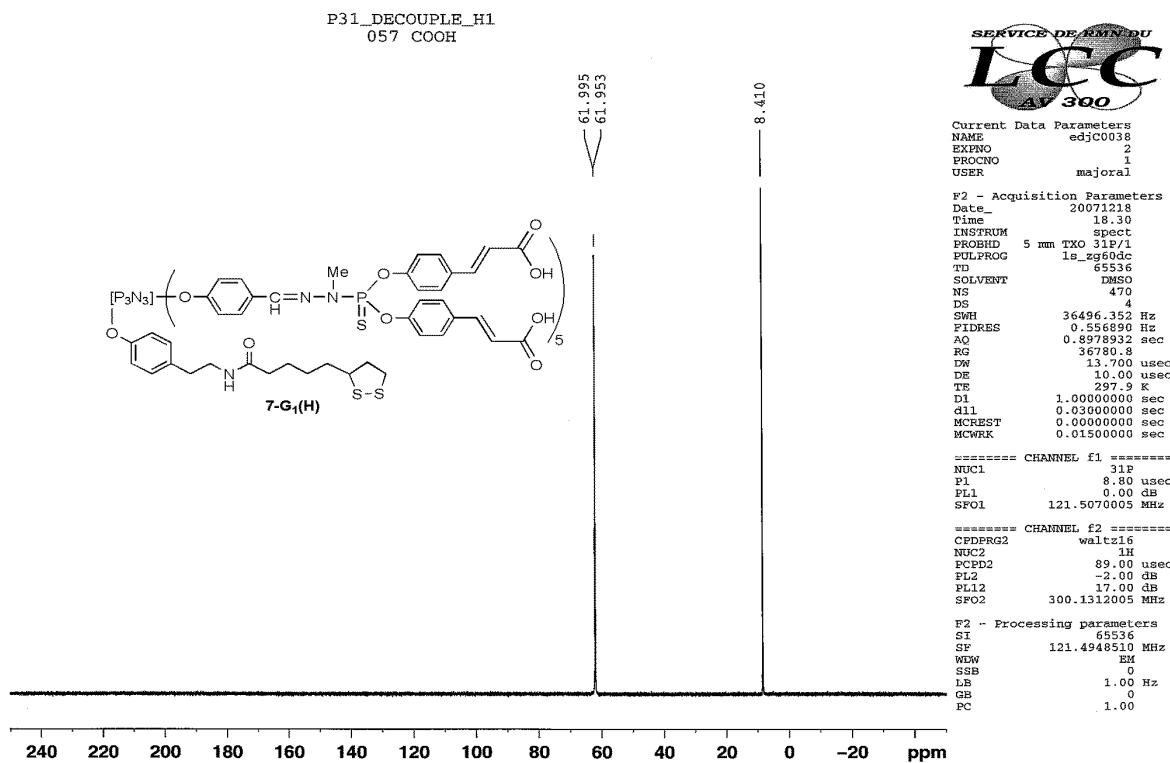
$^{13}\text{C} \{^1\text{H}\}$ NMR spectrum of compound **6-G₂**



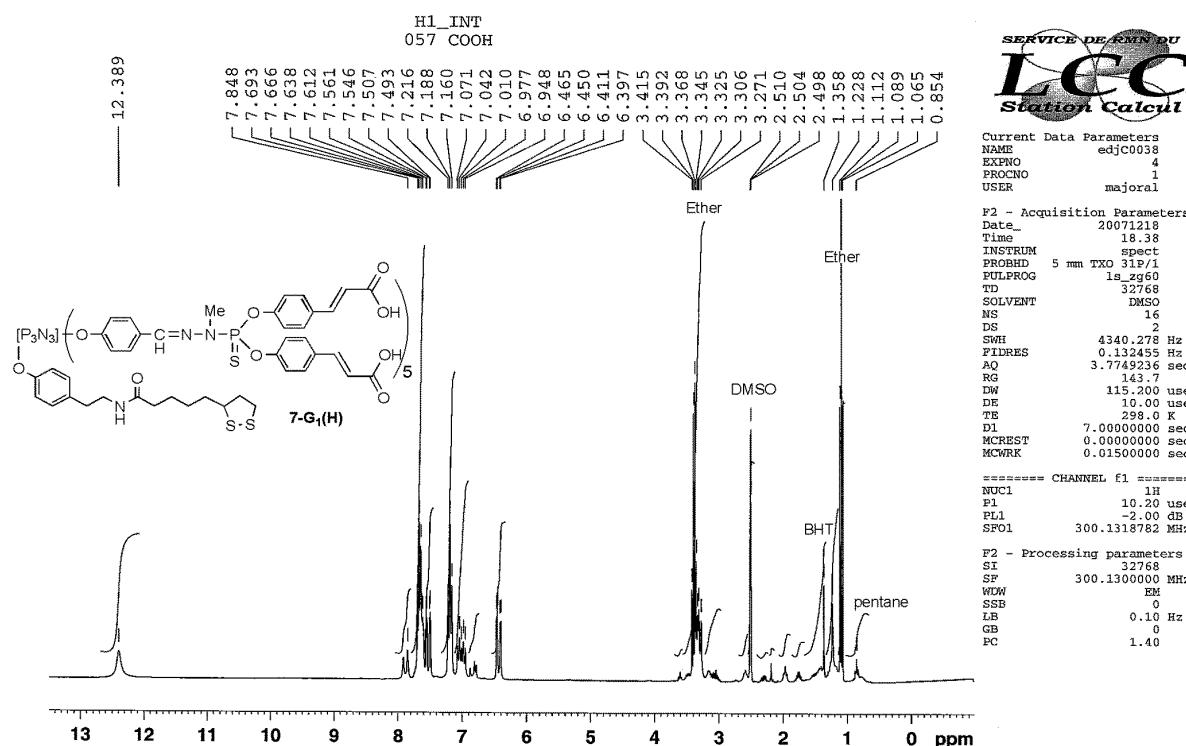
^{13}C Jmod NMR spectrum of compound **6-G₂**



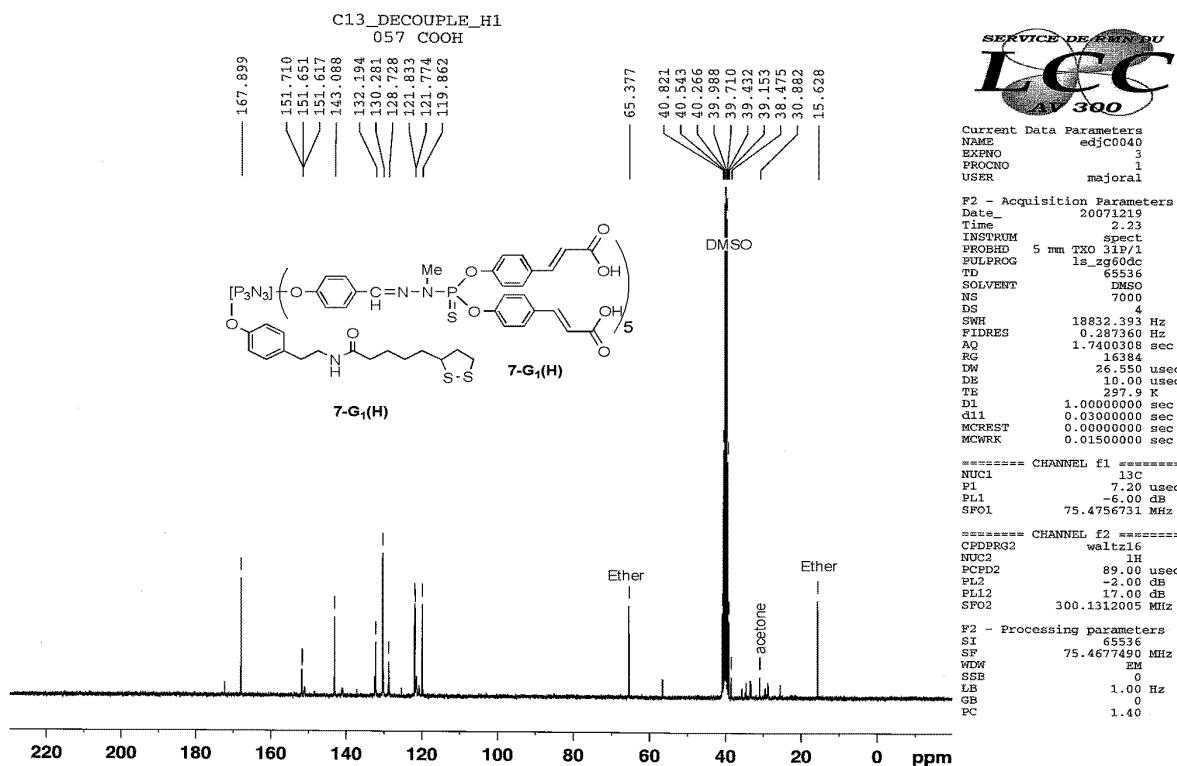
³¹P {¹H} NMR spectrum of compound 7-G₁



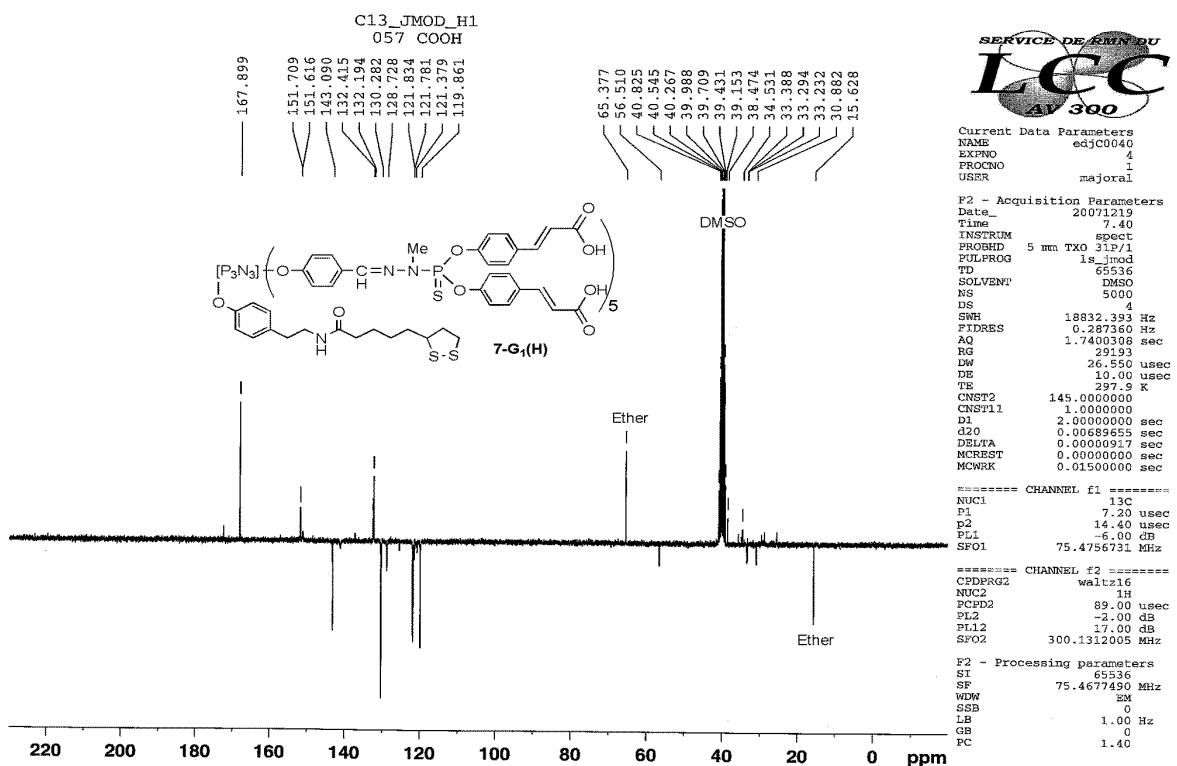
¹H NMR spectrum of compound 7-G₁



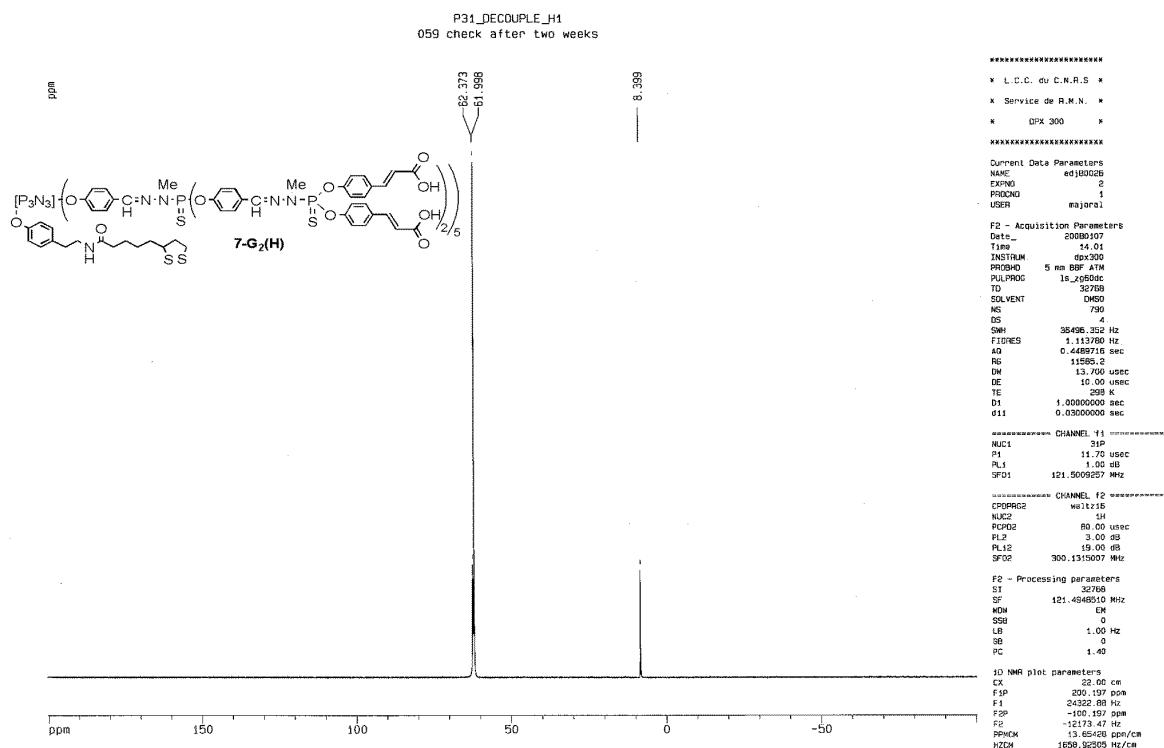
¹³C {¹H} NMR spectrum of compound **7-G₁**



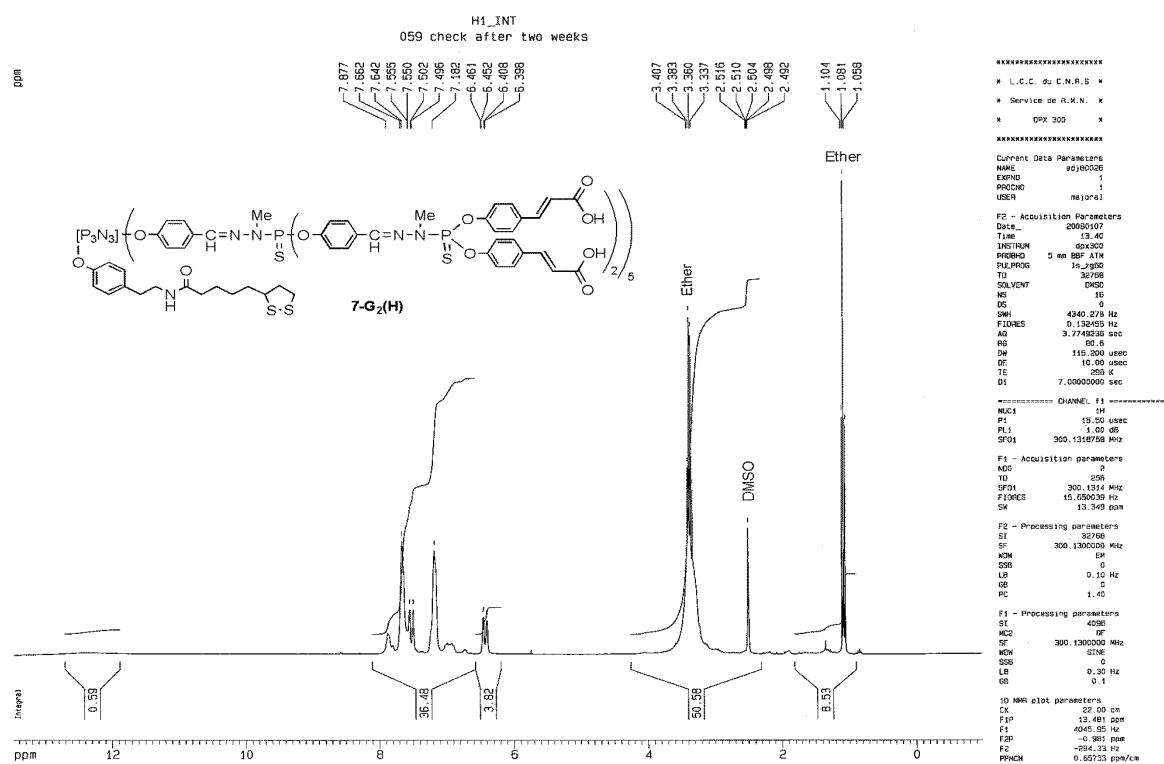
¹³C Jmod NMR spectrum of compound **7-G₁**



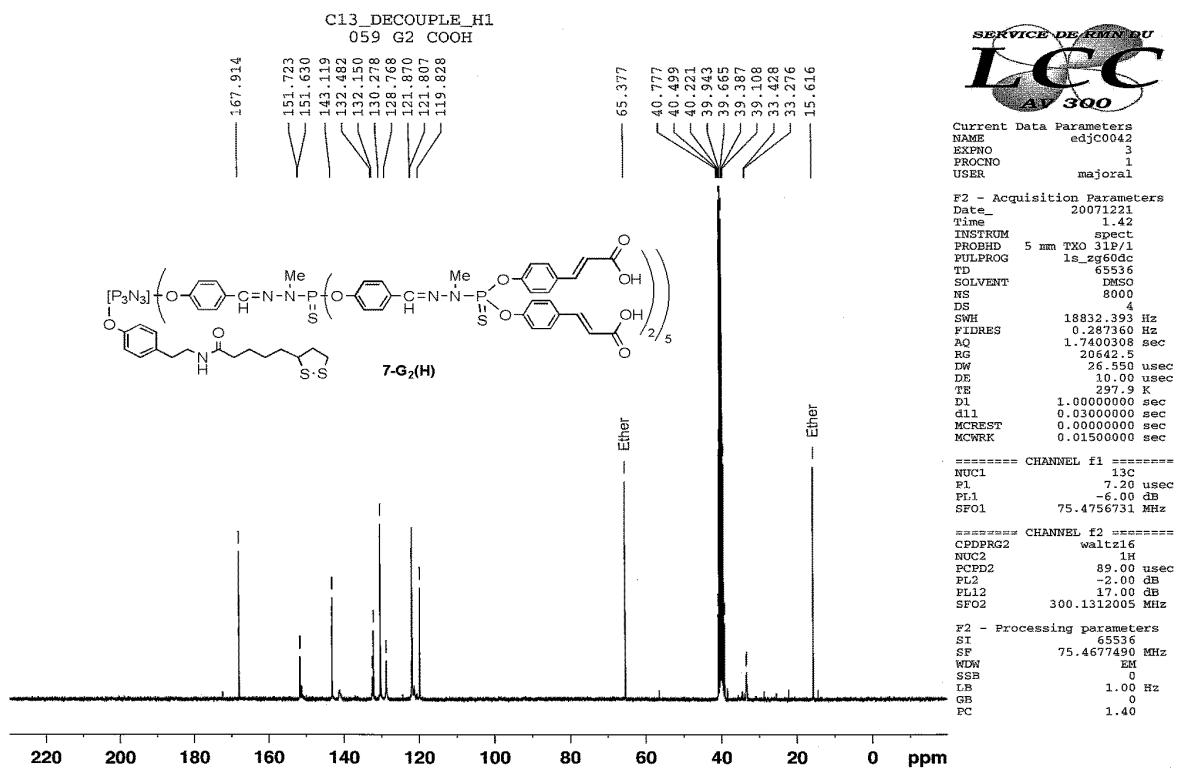
³¹P {¹H} NMR spectrum of compound 7-G₂



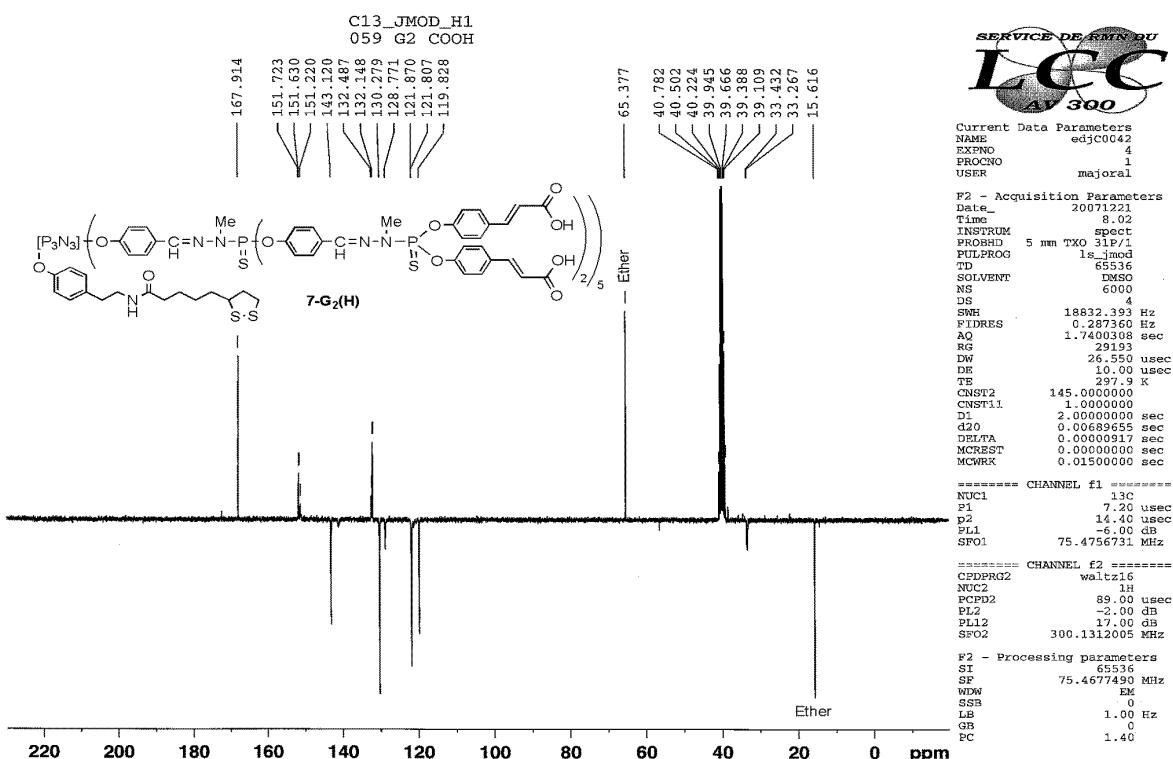
¹H NMR spectrum of compound 7-G₂



¹³C {¹H} NMR spectrum of compound 7-G₂



¹³C Jmod NMR spectrum of compound 7-G₂



Contact Angle Goniometry

Water contact angles measured on a non-functionalized gold surface (control) and on gold coated with either **6-G₁** (G₁(+)) or **7-G₁** (G₁(-)).

