

DESIGN AND SYNTHESIS OF NOVEL HYBRID METAL COMPLEX-DNA CONJUGATES: KEY BUILDING BLOCKS FOR MULTIMETALLIC LINEAR DNA NANOARRAYS

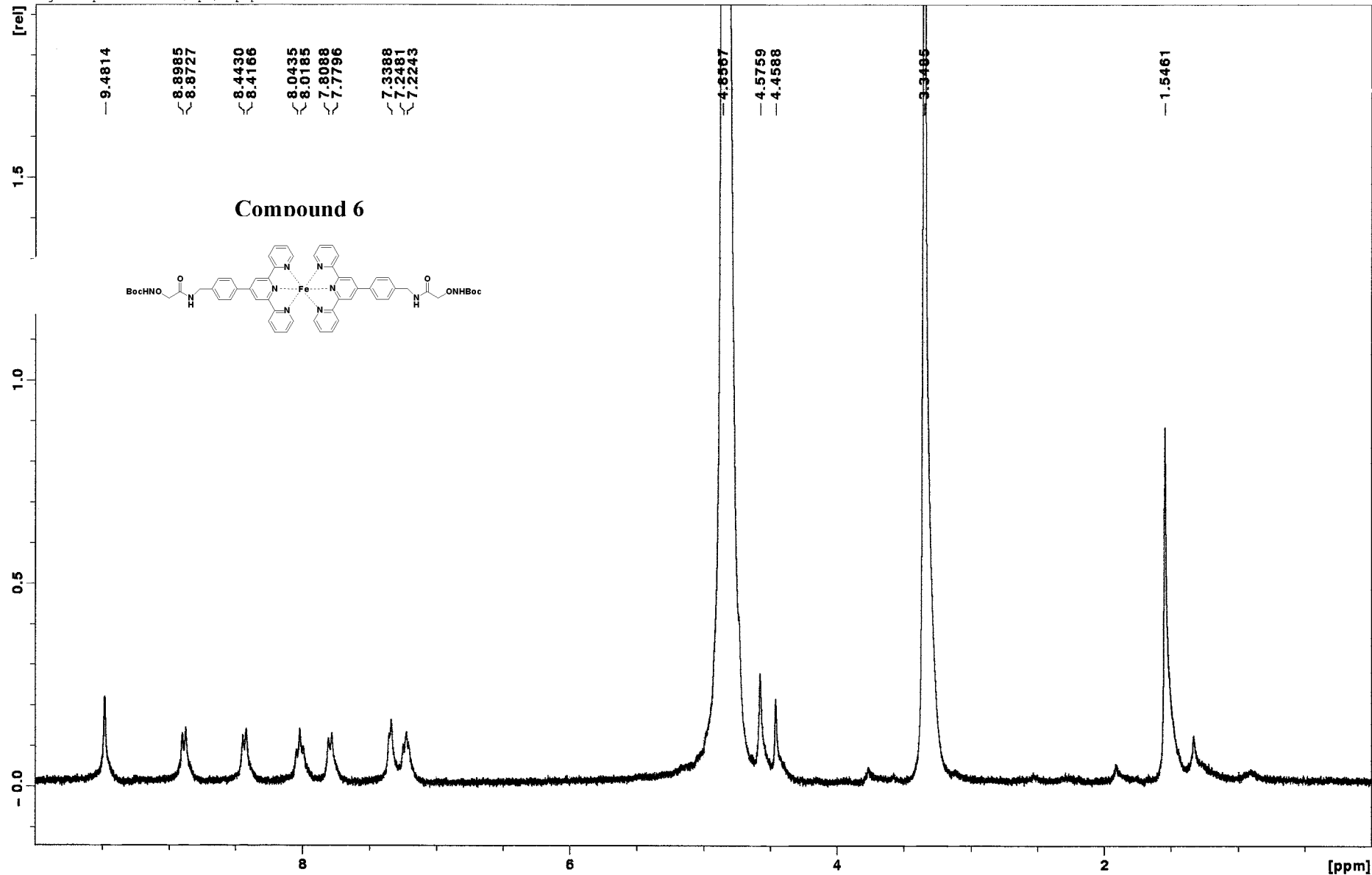
Sumana Ghosh,^a Isabelle Pignot-Paintrand^b, Pascal Dumy^a, and Eric Defrancq^{*a}

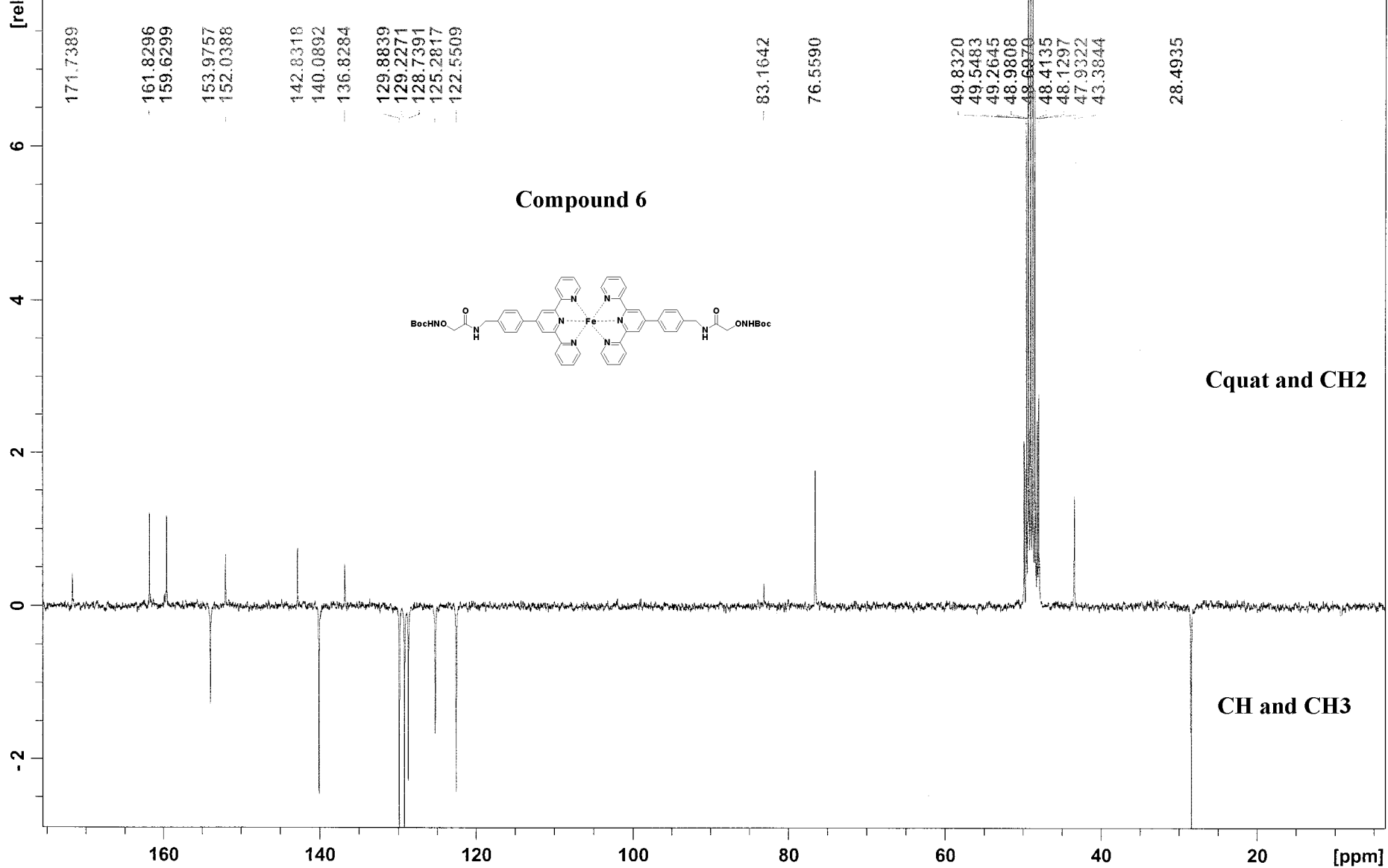
^a Département de Chimie Moléculaire UMR CNRS 5250, Université Joseph Fourier BP 53, 38041 Grenoble cedex 9, France. Fax: +33 (0)4 76 51 49 46, E-mail: Eric.Defrancq@ujf-grenoble.fr

^b Centre de Recherches sur les Macromolécules Végétales, UPR 5301-CNRS, BP 53, F-38041 Grenoble Cedex 9, France.

Supporting Information

Page 2: ¹H-NMR of protected [Fe(tpy'')₂]²⁺ complex **6**.
Page 3: ¹³C-NMR of protected [Fe(tpy'')₂]²⁺ complex **6**.
Page 4: ESMS spectrum of [Fe(tpy'')₂]²⁺ complex **6**.
Page 5: ¹H-NMR of protected [Ru(tpy'')₂]²⁺ complex **7**.
Page 6: ¹³C-NMR of protected [Ru(tpy'')₂]²⁺ complex **7**.
Page 7: ESMS spectrum of [Fe(tpy'')₂]²⁺ complex **6**.
Page 8: ¹H-NMR of protected [Ru(tpy'')(tpy)]²⁺ complex **8**.
Page 9: ¹³C-NMR of protected [Ru(tpy'')(tpy)]²⁺ complex **8**.
Page 10: ESMS spectrum of [Ru(tpy'')(tpy)]²⁺ complex **8**.

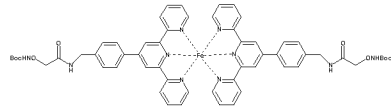


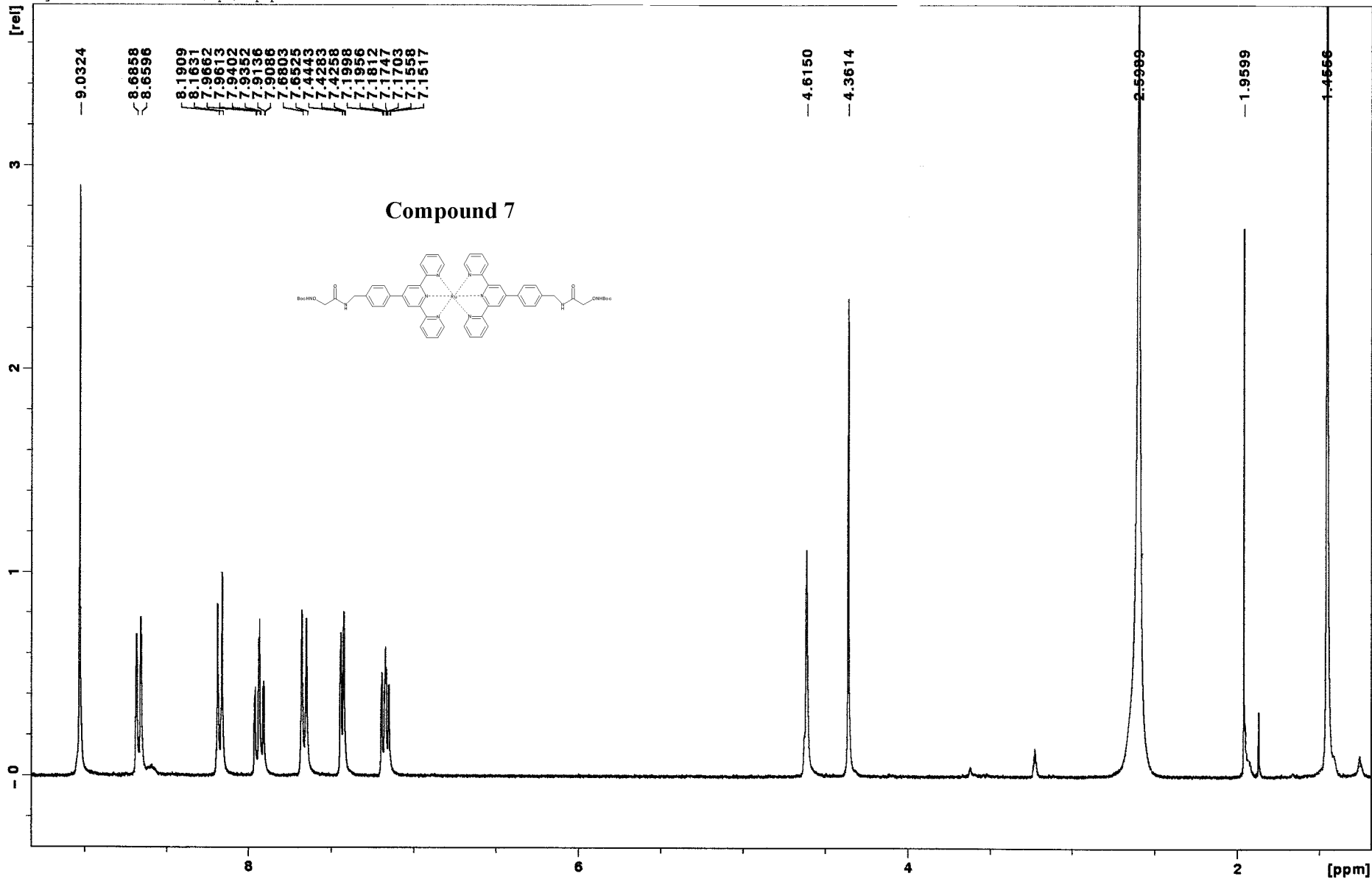


Intens.
 $\times 10^6$

Compound 6

2+
539.1





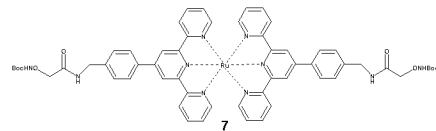
170.1721
 170.0984
 158.9276
 158.6829
 156.1359
 153.0686
 148.7384
 142.1804
 138.7077
 136.3421
 129.2595
 128.6100
 128.1170
 125.2277
 122.2345
 118.6034
 118.0116

82.7395
 76.0322

42.7269
 42.6094

28.0260

Compound 7



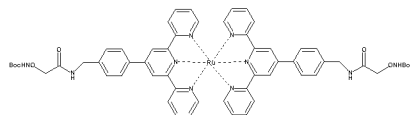
Cquat and CH2

CH and CH3

Intens.
x10⁵

2+
562.1

Compound 7



1186.2

200 400 600 800 1000 1200 1400

