Electronic Supplementary Information (ESI)

Poly(alkylidenamines) dendrimers as scaffolds for the preparation of low-generation ruthenium based metallodendrimers

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1. Experimental:

$^{31}P\{^{1}H\}$ NMR spectra were recorded with a Bruker Ultrashield Avance II + 400 spectrometer (1H: 400.20 MHz, ^{31}P: 161.97 MHz) in $[D_6]$DMSO, at 298,15 K (probe temperature). The chemical shifts (δ) are reported in ppm downfield and referenced to external 85% H_3PO_4 (δ = 0.00 ppm) .

2. Complementary ^{31}P NMR spectra (degradation studies):

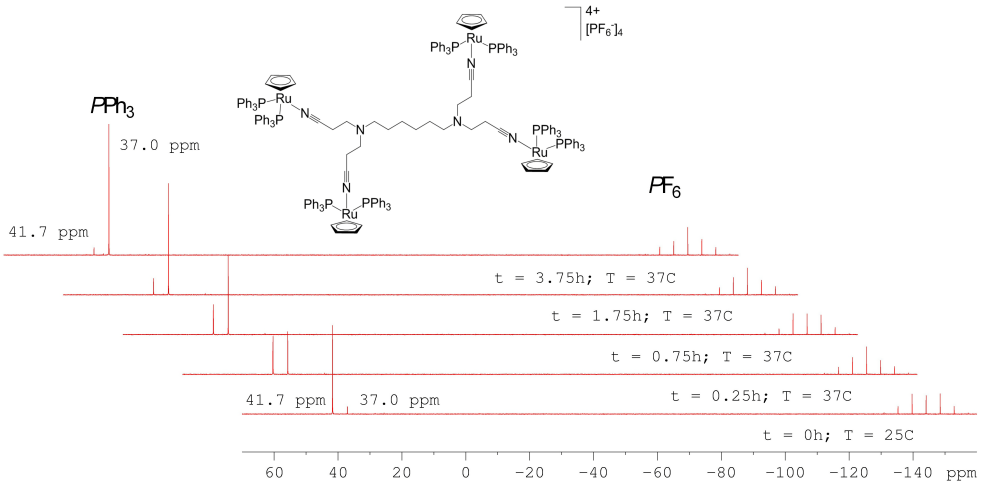

Fig. 1: ^{31}P NMR spectrum of metallodendrimer (**8**) in $[D_6]$DMSO at 37ºC, at different time periods of incubation.

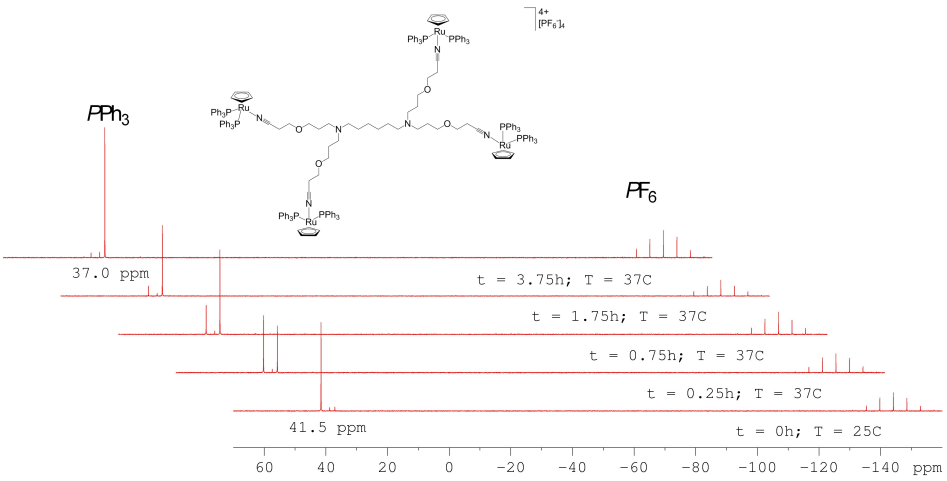

Fig. 2: ^{31}P NMR spectrum of metallodendrimer (**9**) in $[D_6]$DMSO at 37ºC, at different time periods of incubation.

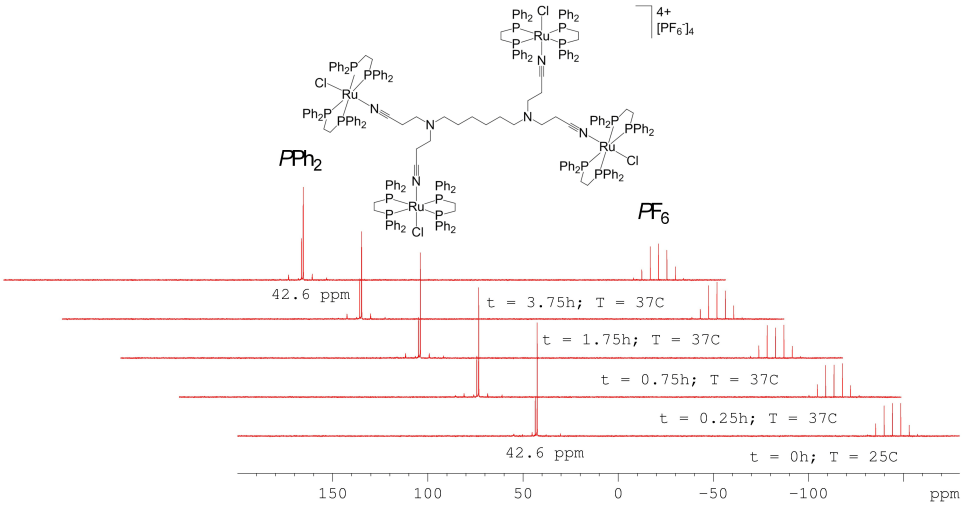

Fig. 3: ^{31}P NMR spectrum of metallodendrimer (**10**) in [D_6]DMSO at 37ºC, at different time periods of incubation.