

## SUPPORTING INFORMATION

### A Novel Substitution Reaction of Perylene Bisimides with Ph<sub>2</sub>PLi at $\alpha$ -Position

Xue Wu, Chuanwei Yin, Zhiqiang Shi\*, Maoyou Xu,  
Jin Zhang, Juanjuan Sun

Department of Chemistry, Shandong Normal  
University, Jinan, 250014, P. R. China.

[zshi@sdu.edu.cn](mailto:zshi@sdu.edu.cn)

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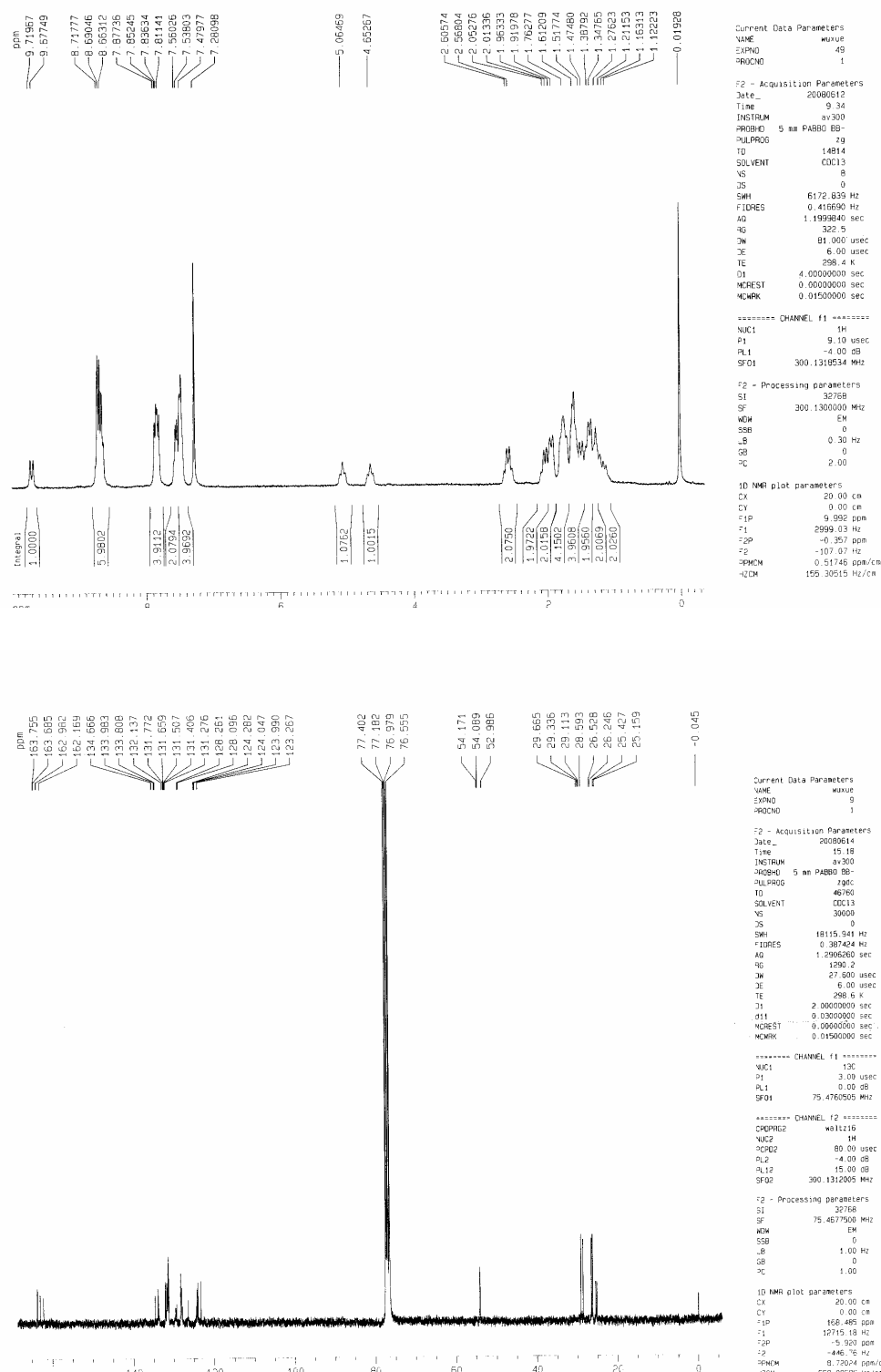


Figure S1 <sup>1</sup>H-NMR and <sup>13</sup>C-NMR spectra of **1**.



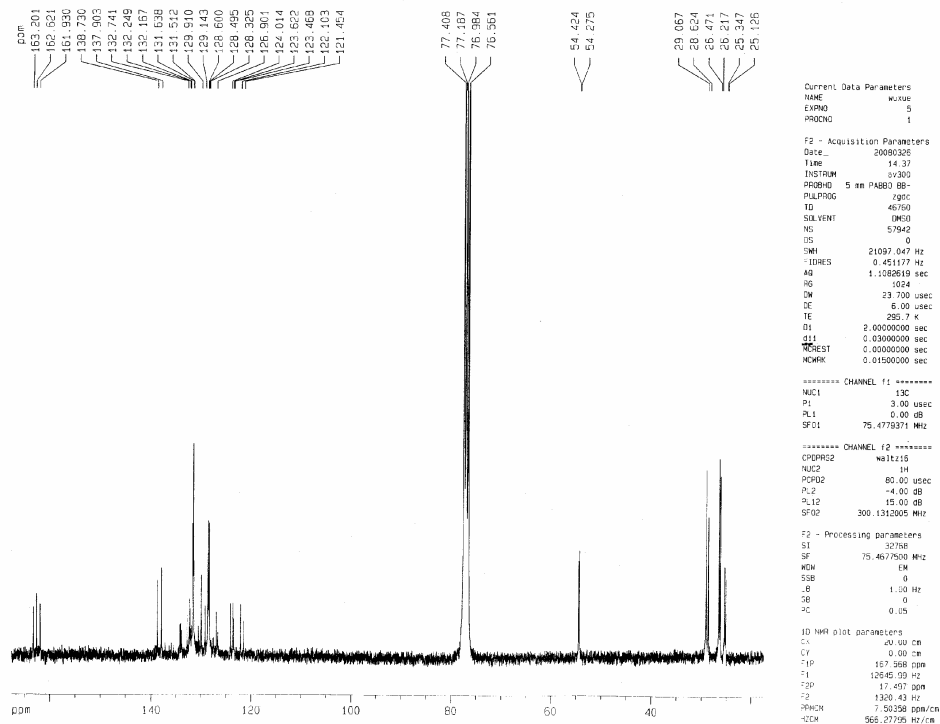
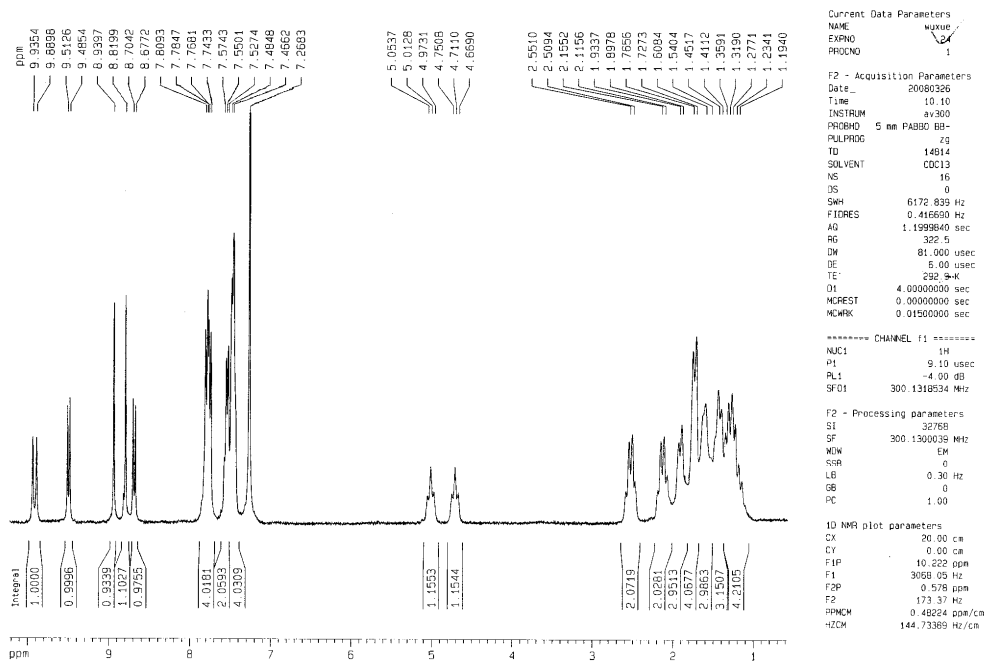


Figure S3  $^1\text{H}$ -NMR and  $^{13}\text{C}$ -NMR spectra of **2**.

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### MALDI-TOF, CCA, W02, 2008, 05, 07

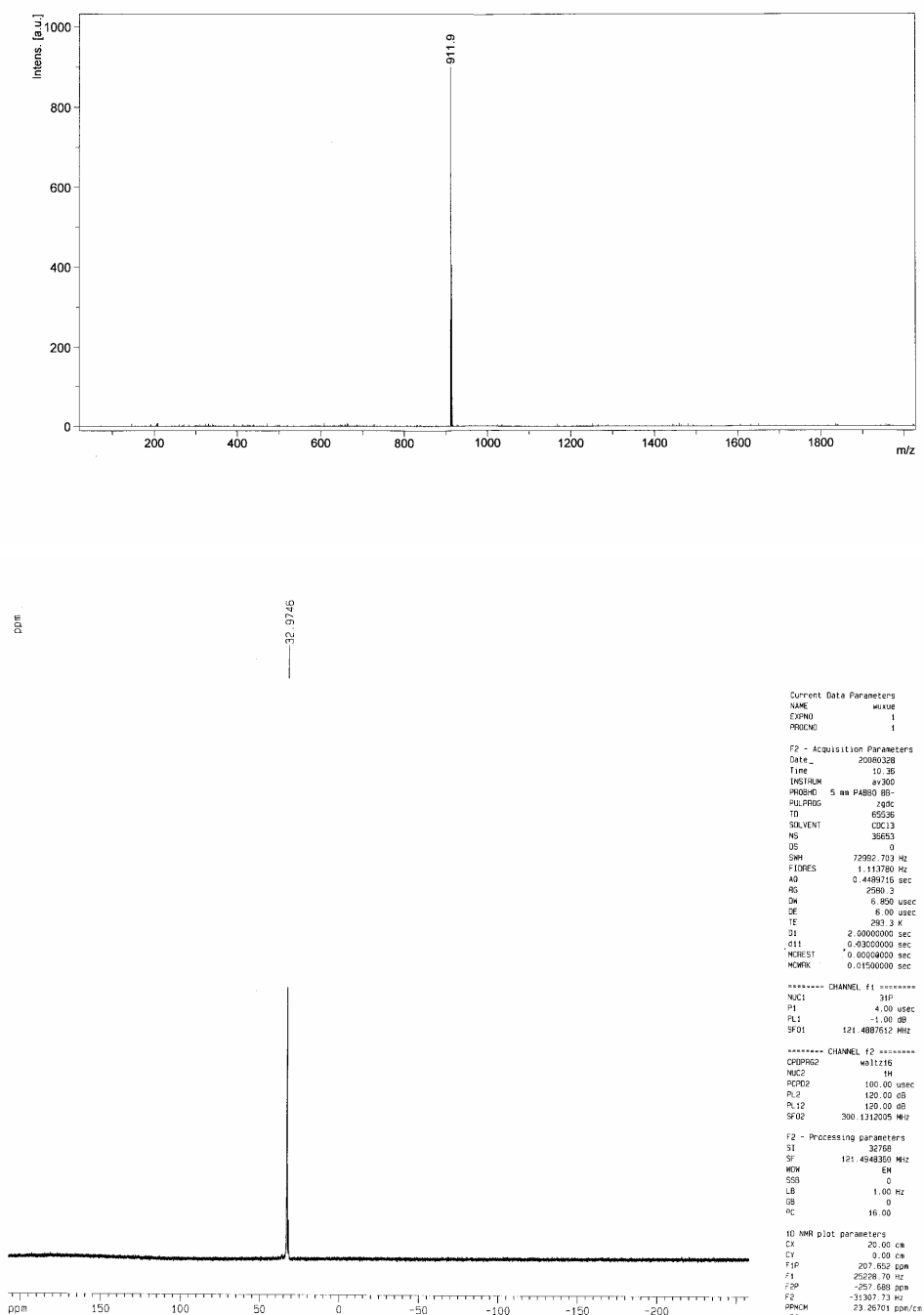


Figure S4 MS and <sup>31</sup>P-NMR spectra of 2.

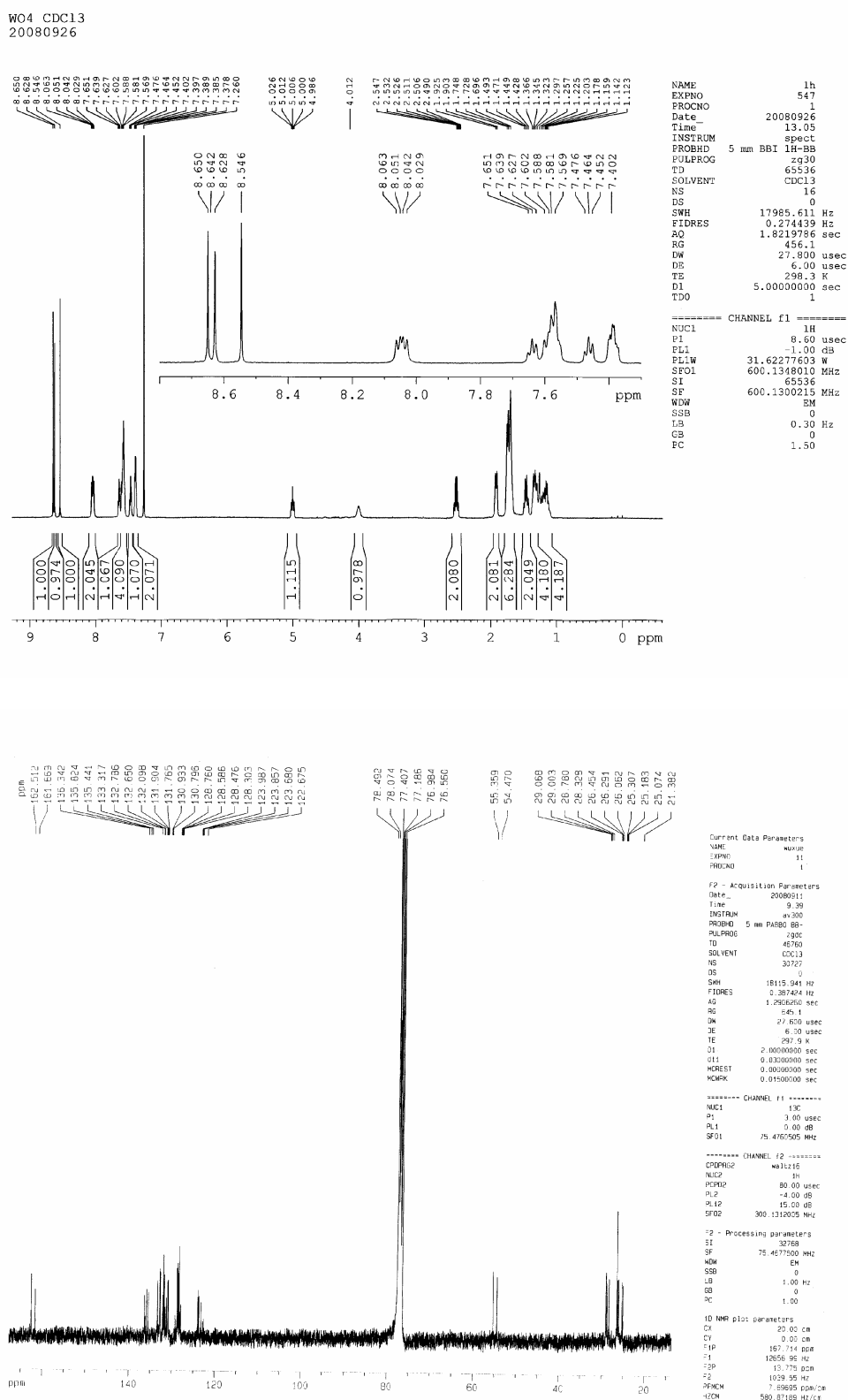


Figure S5 <sup>1</sup>H-NMR and <sup>13</sup>C-NMR spectra of **3**.

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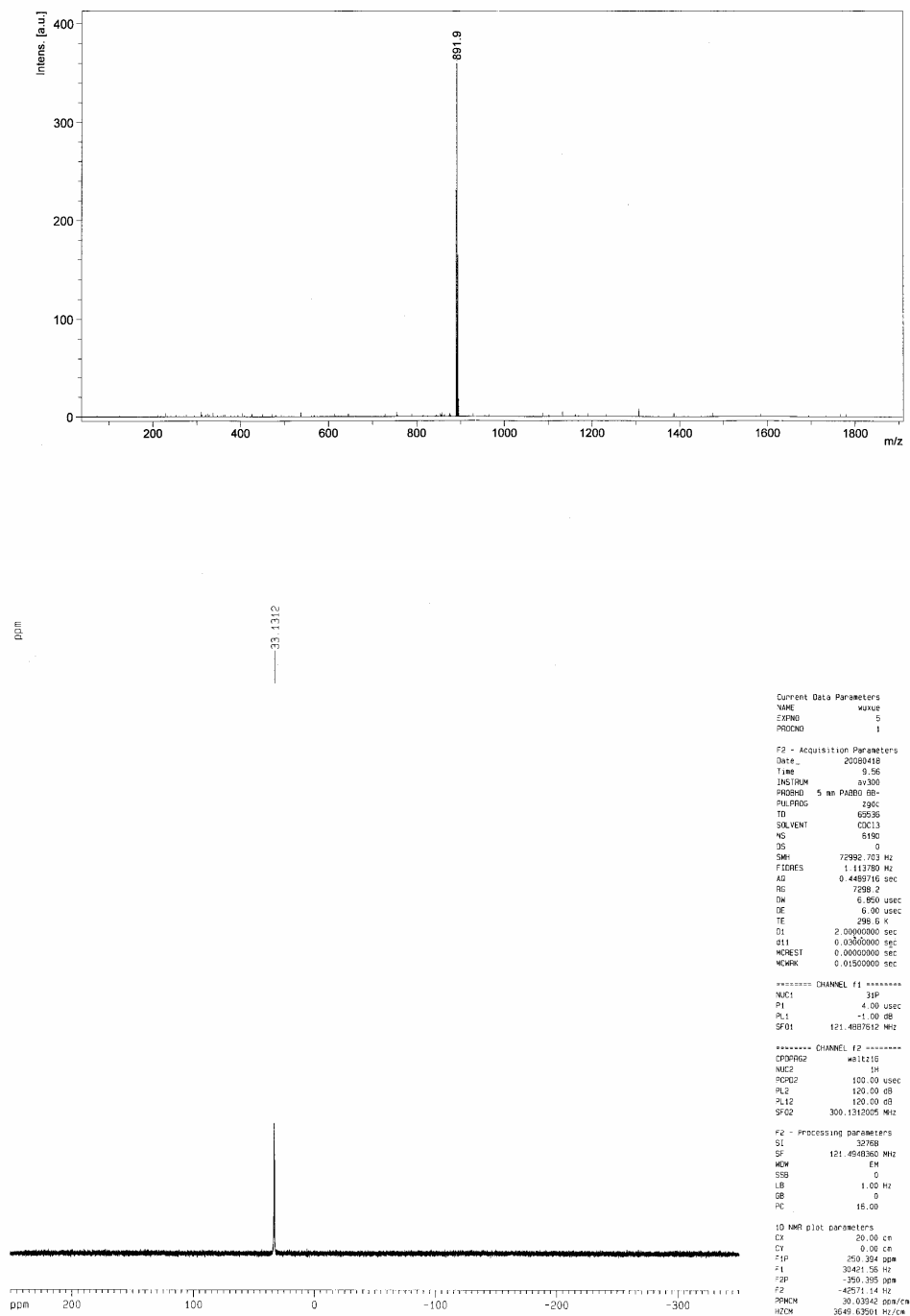


Figure S6 MS and <sup>31</sup>P-NMR spectra of **3**.