

Fluorescent Water-soluble Probes Based on Dendritic PEG Substituted Perylene Bisimides: Synthesis, Photophysical properties and Live Cell Image

Hongmei Liu,^{a, c} Yongli Wang,^b Chenghui Liu,^{a, c} Hongxia Li,^a Baoxiang Gao,^{*a, c} Licui Zhang,^a Fuli Bo,^a Qianqian Bai,^a Xinwu Ba^{a, c}

^a College of Chemistry and Environmental Science, Hebei University, Baoding, 071002, P. R. China. Fax: +86 3125079317, E-mail: bxgao@hbu.edu.cn

^b School of Basic Medicine, Hebei University, Baoding, 071002, P. R. China.

^c Key Laboratory of Medicinal Chemistry and Molecular Diagnosis, Ministry of Education, Hebei University, Baoding, 071002, P. R. China.

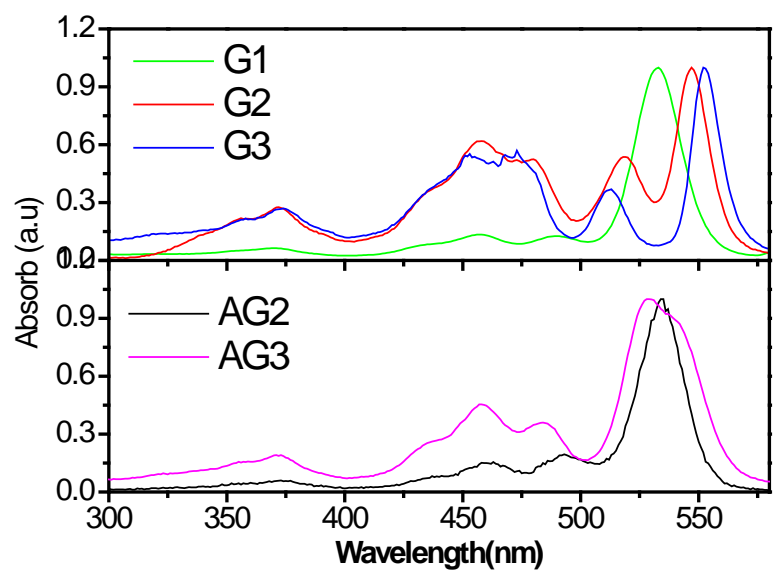
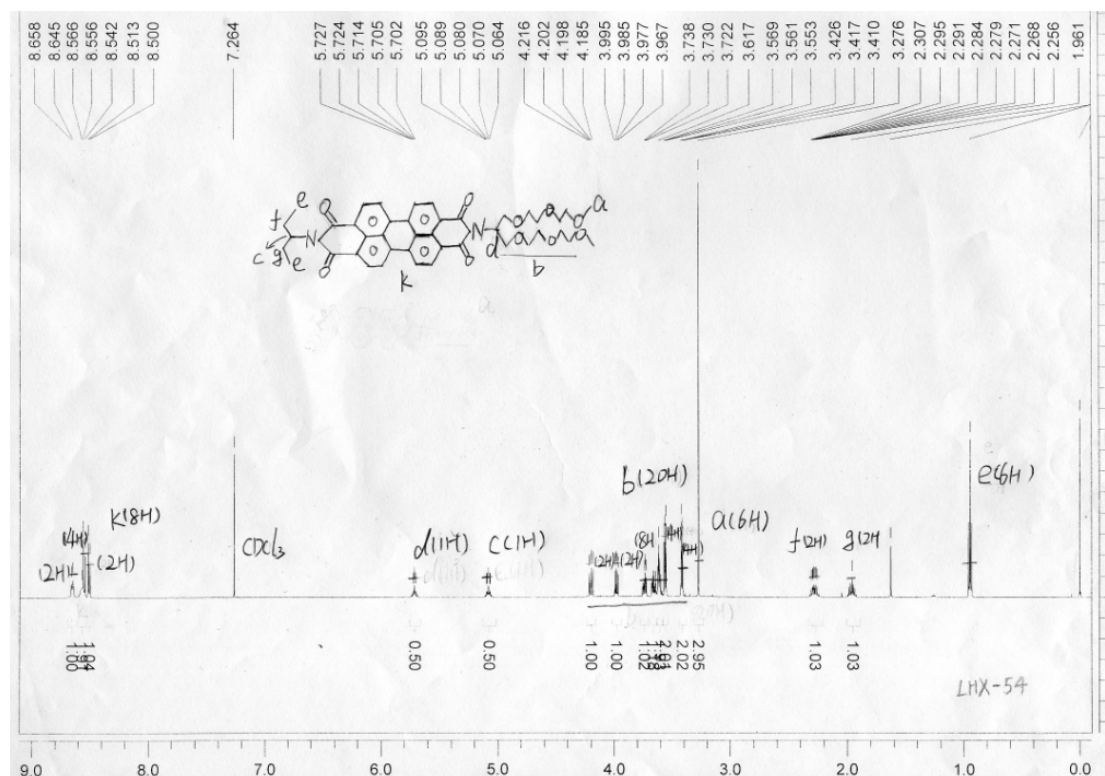
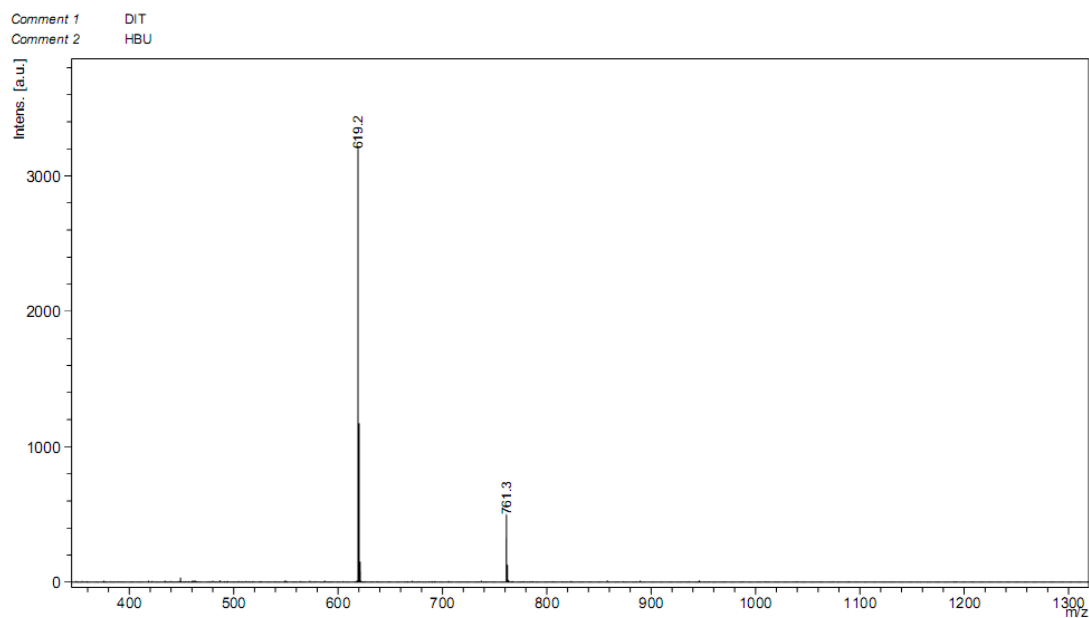


Figure S1 the excitation spectra of compound **AG2**, **AG3**, **G1**, **G2**, and **G3**
in water medium

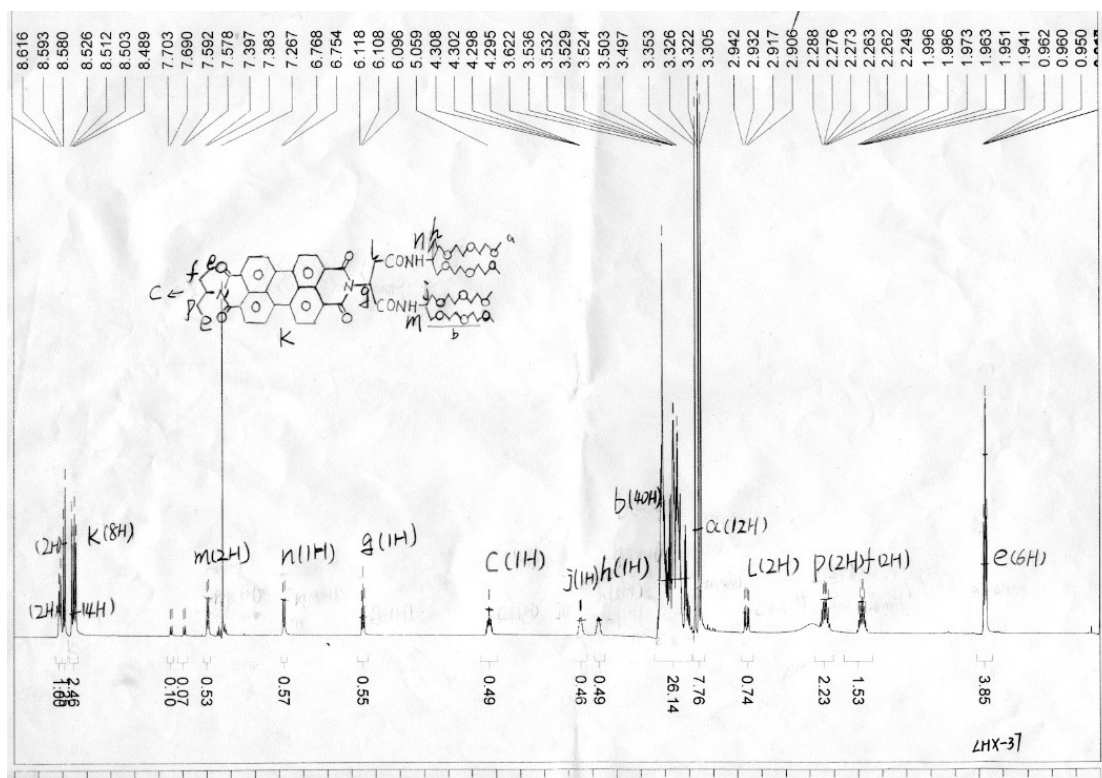
^1H -NMR spectrum and MALDI-TOF spectrum of the dendritic PEG substituted perylene bisimides



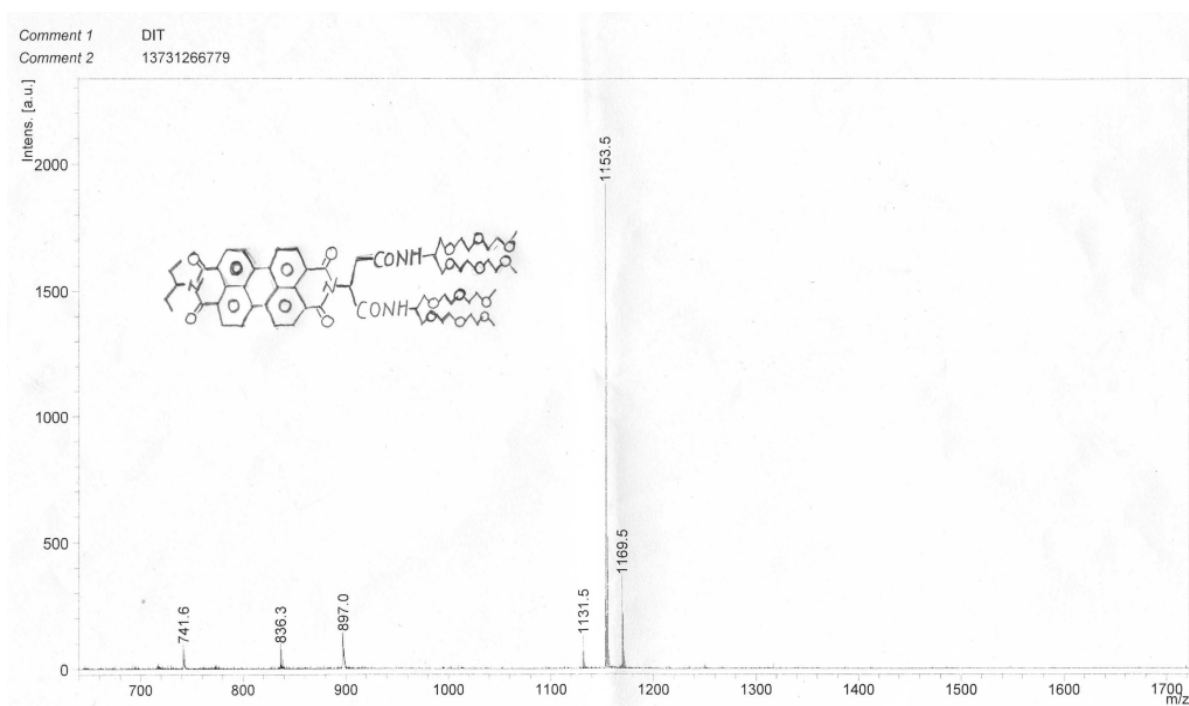
^1H -NMR spectrum of compound **AG1** in CDCl_3



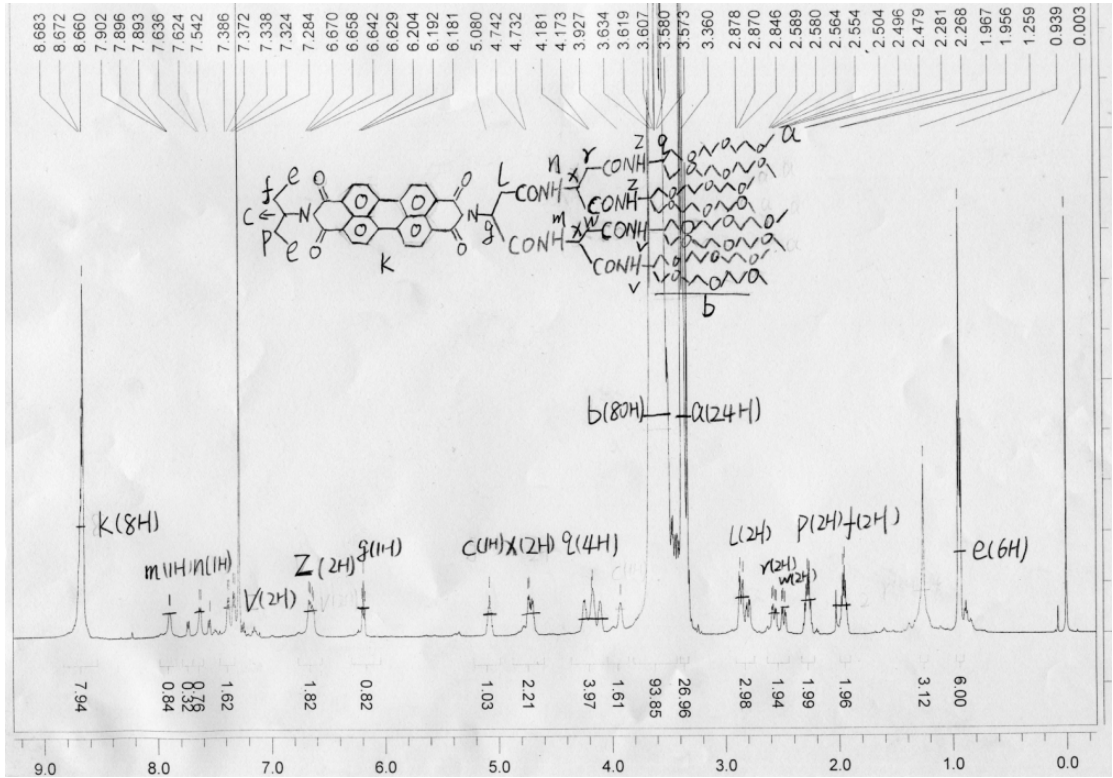
MALDI-TOF spectrum of compound **AG1**



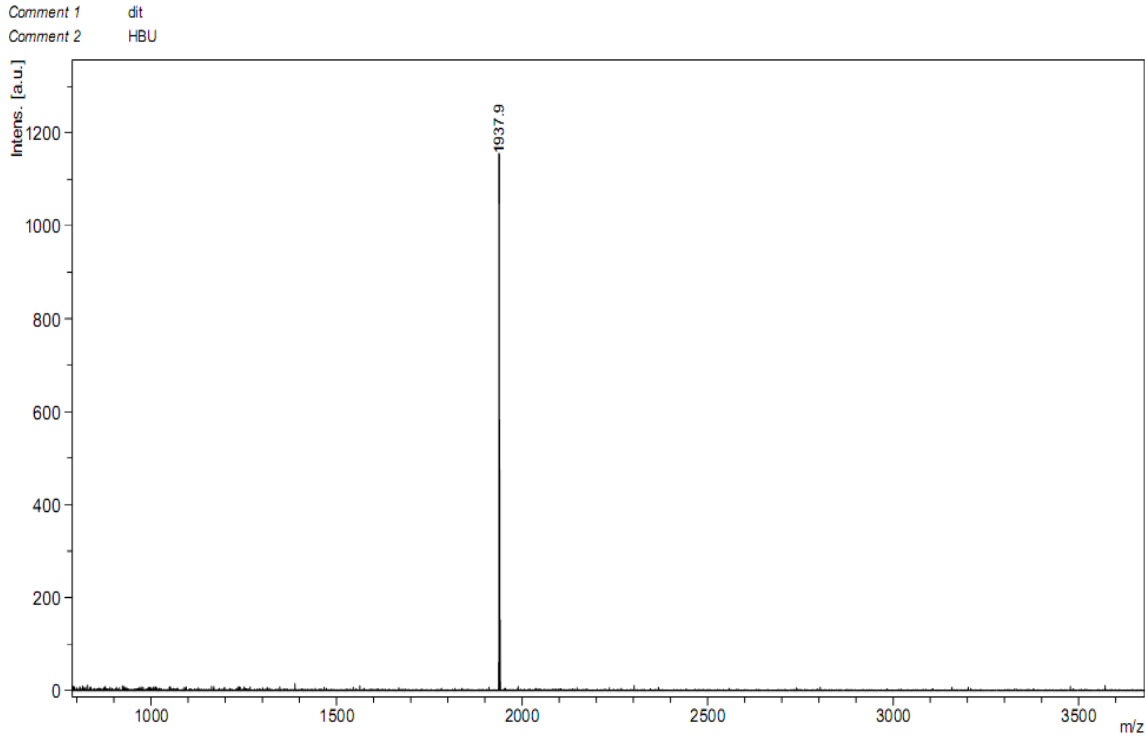
¹H-NMR spectrum of compound AG2 in CDCl₃



MALDI-TOF spectrum of compound AG2



¹H-NMR spectrum of compound **AG3** in CDCl₃



MALDI-TOF spectrum of compound **AG3**