Electronic Supplementary Material (ESI) for RSC Advances.

Facile preparation of luminescent amphiphilic carbohydrate polymers with aggregation induced emission characteristics through formation of Schiff base for biological imaging

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Results and Discussion

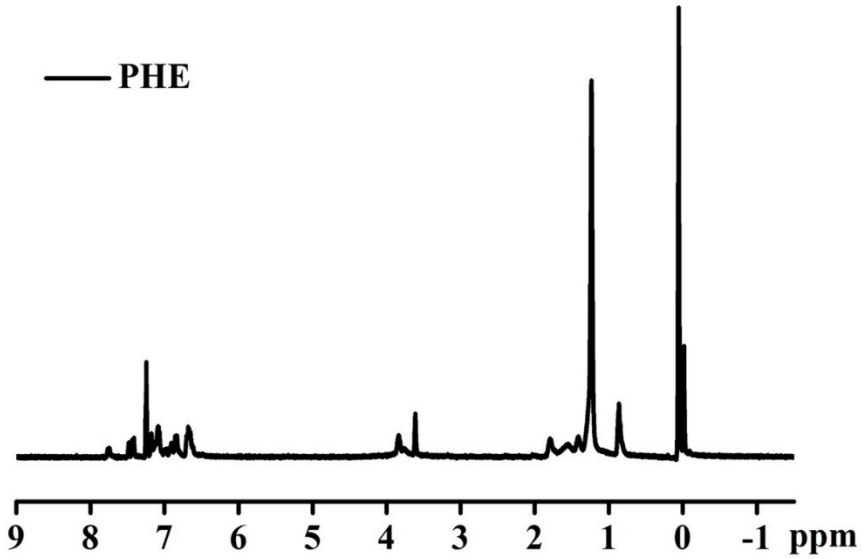

Fig. S1 ^{1}HNMR spectrum of PhE dispersed in $CDCl_3$

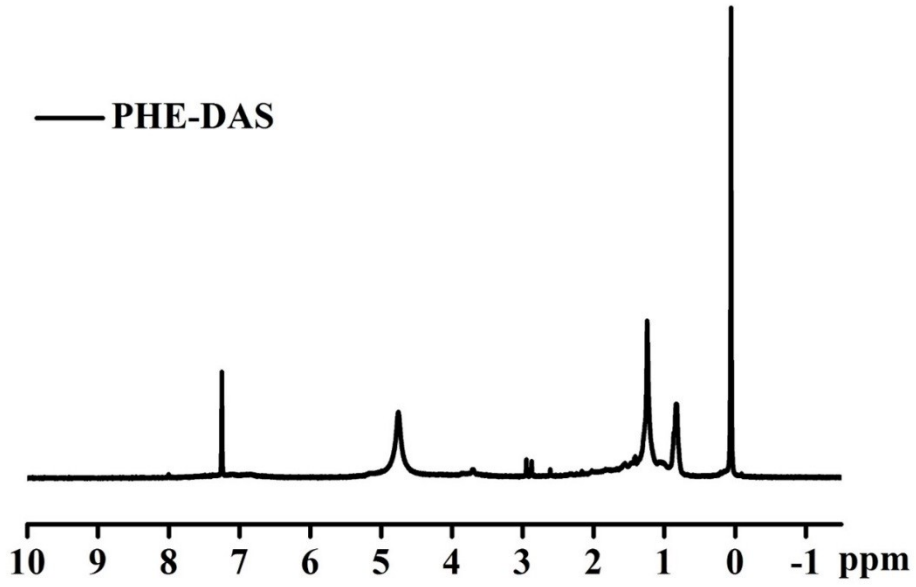

Fig. S2 ^{1}HNMR spectrum of PhE-DAS dispersed in $CDCl_3$

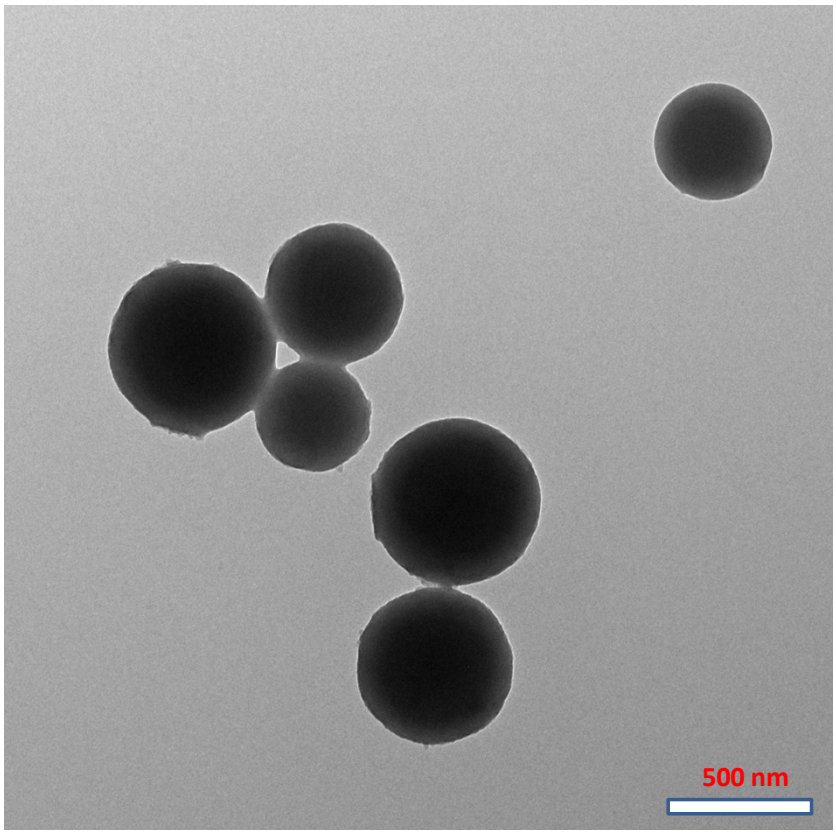

Fig. S3 TEM images of PhE-DAS. The size of PhE-DAS LPMs is ranged from 200 to 500 nm

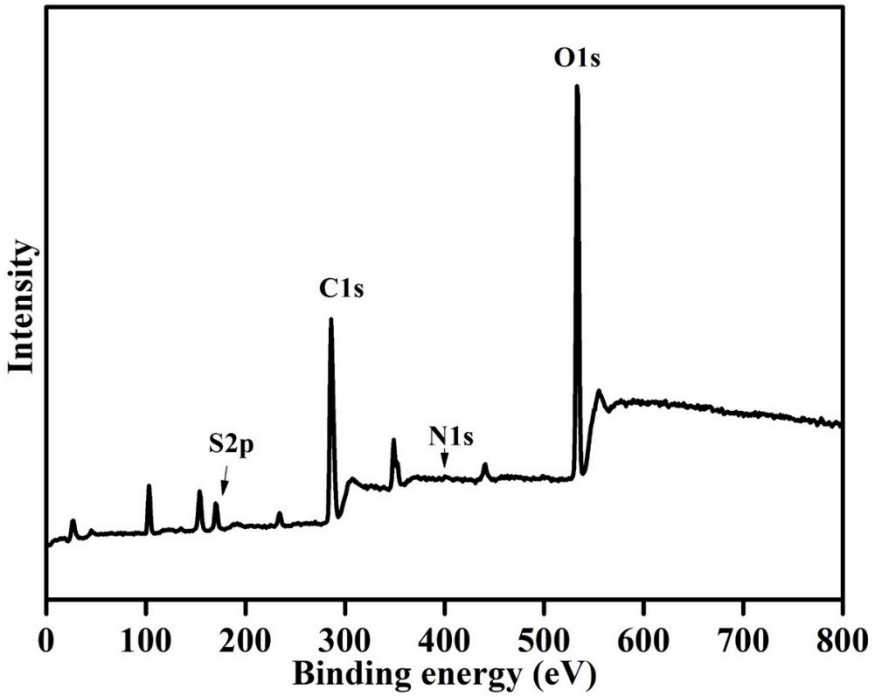

Fig. S4 XPS spectrum of PHE-DAS. The elements such as carbon, nitrogen, oxygen, and sulfur were observed.

Table S1 element contents (%) of PhE-DAS based on the XPS analysis.

	C1s	N1s	O1s	S2p
$PhNH_2$-DAS	57.28	1.1	38.45	3.16

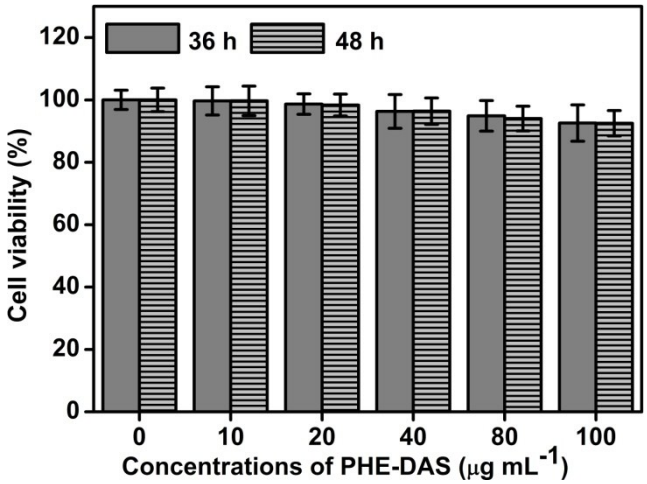

Fig. S5 Cell viability of PHE-DAS for 36 h and 48 h with different concentrations (10-100 μg mL^{-1}) for incubating.