Supporting Information

Studies on novel class of triaryl pyridine *N*-glycosylamine amphiphilies as super gelators

Manivannan Kalavathi Dhinakaran^a, Thangamuthu Mohan Das^a*

^a Department of Organic Chemistry, University of Madras, Guindy Campus, Chennai 600 025, India.

| Figure | Description | Page No. |
|---------------|---------------------------------------------------|----------|
| Figure S.I.1 | ¹ H NMR spectra of compound 10 | 3 |
| Figure S.I.2 | ¹³ C NMR spectra of compound 10 | 4 |
| Figure S.I.3 | EI-Mass spectra of compound 10 | 5 |
| Figure S.I.4 | ¹ H NMR spectra of compound 11 | 6 |
| Figure S.I.5 | ¹³ C NMR spectra of compound 11 | 7 |
| Figure S.I.6 | EI-Mass spectra of compound 11 | 8 |
| Figure S.I.7 | ¹ H NMR spectra of compound 12 | 9 |
| Figure S.I.8 | ¹³ C NMR spectra of compound 12 | 10 |
| Figure S.I.9 | ¹ H NMR spectra of compound 13 | 11 |
| Figure S.I.10 | ¹³ C NMR spectra of compound 13 | 12 |
| Figure S.I.11 | ¹ H NMR spectra of compound 14 | 13 |
| Figure S.I.12 | ¹³ C NMR spectra of compound 14 | 14 |

| Figure S.I.13 | EI-Mass spectra of compound 14 | 15 |
|---------------|---------------------------------------------------|----|
| Figure S.I.14 | ¹ H NMR spectra of compound 15 | 16 |
| Figure S.I.15 | ¹³ C NMR spectra of compound 15 | 17 |
| Figure S.I.16 | EI-Mass spectra of compound 15 | 18 |
| Figure S.I.17 | FE-SEM image | 19 |
| Figure S.I.18 | TEM image | 20 |



Fig. S.I-1: ¹H NMR spectra of compound **10**.



Fig. S.I-2: ¹³C NMR spectra of compound 10.



Fig. S.I-3: EI-Mass spectra of compound 10.



Fig. S.I-4:¹H NMR spectra of compound **11**.



Fig. S.I-5:¹³C NMR spectra of compound 11.



Fig. S.I-6:EI-Mass spectra of compound 11.



Fig. S.I-7:¹H NMR spectra of compound **12**.



Fig. S.I-8:¹³C NMR spectra of compound 12.



Fig. S.I-9:¹H NMR spectra of compound **13**.



Fig. S.I-10:¹³C NMR spectra of compound 13.



Fig. S.I-11:¹H NMR spectra of compound **14**.



Fig. S.I-12:¹³C NMR spectra of compound 14.



Fig. S.I-13: EI-Mass spectra of compound 14.



Fig. S.I-14: ¹H-NMR spectra of compound 15.



Fig. S.I-15: ¹³C-NMR spectra of compound 15.



Fig. S.I-16: EI-Mass spectra of compound 15.



Fig.SI-17: FE-SEM (a) 11 gel; (b) 12 gel; (c) 13 solution; (d) 13 gel, $2\mu m$; (e) 13 gel, $1\mu m$; (f) 15 gel.



Fig.SI-18: TEM image (a) **11** gel, 0.1µm; (b) **11** gel, 50nm; (c) **13** gel, 0.1 µm; (d) **13** gel, 50nm.