Supporting Information

Naphthalimide Based Organic Nanoparticles for Aluminium Recognition in Acidic Soil and Aqueous Medium

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Figure S1. 1H NMR spectrum of compound 1
Figure S2. 13C NMR spectrum of compound 1
Figure S3. Mass spectrum of compound 1
Figure S4. Effect on fluorescence spectrum of compound 1, upon increasing the concentration of compound used for preparing the nanoaggregates.

Figure S5. (A) Effect of addition of acid on organic nanoparticles of compound 1(0.15mM); (B) Effect of addition of base on organic nanoparticles of compound 1 (0.15mM)
Figure S6. Effect of ionic strength on ONP 1 upon addition of 0-100 equiv. of TBA salt of perchlorate.

Figure S7: Titration of ONP1 with Al$^{3+}$ ions
Figure S8: TEM image of ONP 1 upon addition of 5.0 equiv. of Al$^{3+}$. 