Supplementary Material (ESI) for Dalton Transactions

Mesostructured Chitosan/Silica Hybrid as Biodegradable Carrier for pH–Responsive Drug Delivery System

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SUPPORTING INFORMATION

Table S1 A summary of the porous properties of extracted mesostructured CTS/silica hybrid in Figure 5.

Sample	Surface area (m^2/g) [a]	The diameters of the cavity (nm) [b]	The diameters of the window (nm) [c]	Pore Volume (mm^3/g) [d]
CTS–0–"NH_2–Zn–DNR"	377	4.7	3.5	0.36
CTS–10–"NH_2–Zn–DNR"	185	4.7	3.2	0.19
CTS–20–"NH_2–Zn–DNR"	175	4.7	3.2	0.18
CTS–30–"NH_2–Zn–DNR"	160	4.7	3.2	0.16
CTS–40–"NH_2–Zn–DNR"	143	5.0	2.9	0.14

[a]Calculated by BET method; [b]Determined by the BJH pore size distribution (based on adsorption branch of isotherms); [c]Determined by the BJH pore size distribution (based on desorption branch of isotherms); [d]Calculated the adsorbed amount at relative pressure of ~0.99.