Electronic Supplementary Material (ESI) for RSC Advances

Electronic Supplementary Information

Cysteamine hydrochloride protected Carbon dots as molecular armadas for efficient release of Anti-Schizophrenic drug haloperidol

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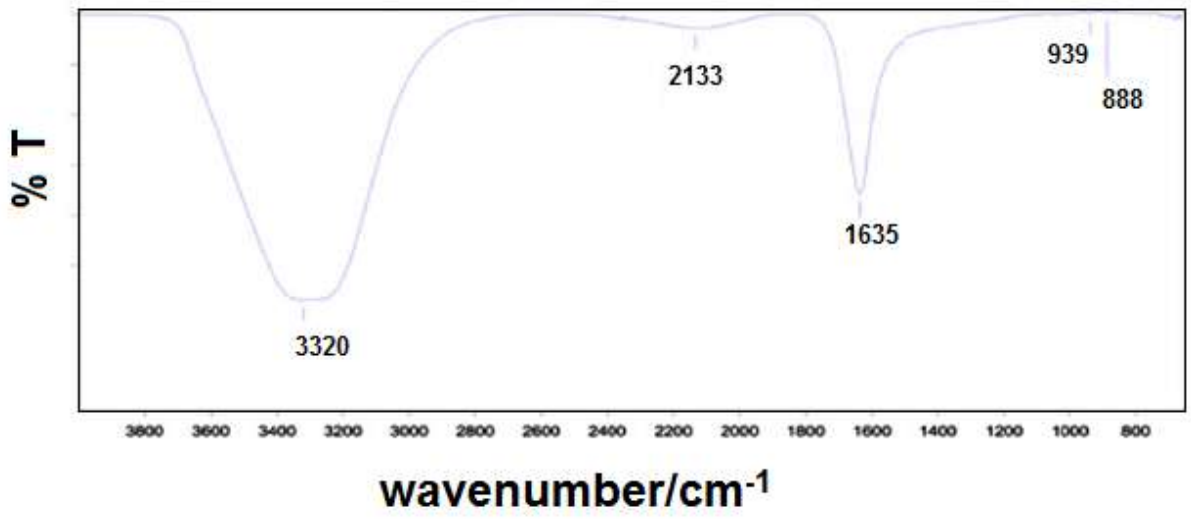

Figure S1 Fourier Transform Infrared spectra of bare cysteamine Hydrochloride (Cys-HCl). Feeble bands at 888 cm^{-1} and 939 cm^{-1} refer to alkane CH_2 bending and amine C-H bending. Prominent bands at 1635 cm^{-1} and 2133 cm^{-1} depict amide NH bend and mercaptan –SH stretch respectively arising out of the structure of Cysteamine. Wide band at 3320 cm^{-1} is because of aqueous counterpart due to –OH stretchings.