**Supporting Information**

**Nitrogen-doped carbon dots for doxorubicin-targeted delivery and two-photon cell imaging**

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Fig. S1. The fluorescence quantum yield of N-CDs



Fig. S2. The stability of N-CDs in different ionic strength (A) and pH (B) solutions



Fig. S3. The drug loading capacity of N-CDs



Fig. S4. FT-IR spectrum of N-CDs-DOX

Table S1 The *in vitro* release of N-CDs-DOX in PBS (pH 6.5 and 7.4)

|  |  |  |  |
| --- | --- | --- | --- |
| Release mediums | Models | Equations | R2 |
|  Zero Order Q%=46.16+1.10472t 0.847 First order Q%=91.90(1-exp(-0.1671t)) 0.907pH=6.5 Weibull Q%=152.39(1-exp(-(0.0215(t-0.71023))^0.358)) 0.987 Higuchi Q%=10.33t0.5+27.293 0.944 Ritger-Peppas Q%=32.56(t^0.284) 0.973 |
|  Zero Order Q%=39.98+0.933t 0.877 First order Q%=74.81(1-exp(-0.197t)) 0.837pH=7.4 Weibull Q%=462.38(1-exp(-(4.13546×10-5(t-0.4963))^0.264)) 0.976 Higuchi Q%=8.33t0.5+25.501 0.956 Ritger-Peppas Q%=29.38(t^0.264) 0.966 |