Electronic Supplementary Material (ESI) for Journal of Materials Chemistry B.

Supporting Information

Biodegradable PLGA Nanoparticles Loaded with Hydrophobic Drugs: Confocal Raman Microspectroscopic Characterization

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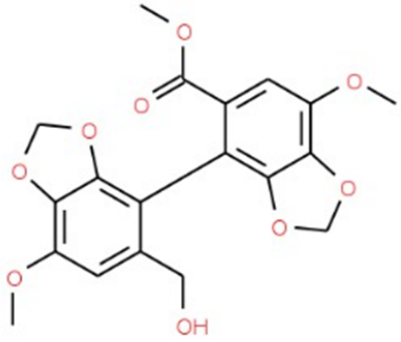
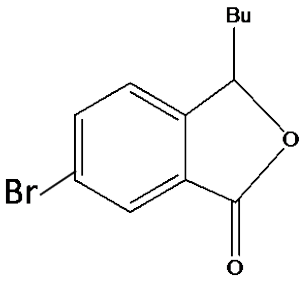
Chemical structures of the drugs



bicyclol



3-n-butyl-6-bromophthalid (Br-NBP)

DLS and Zeta potential

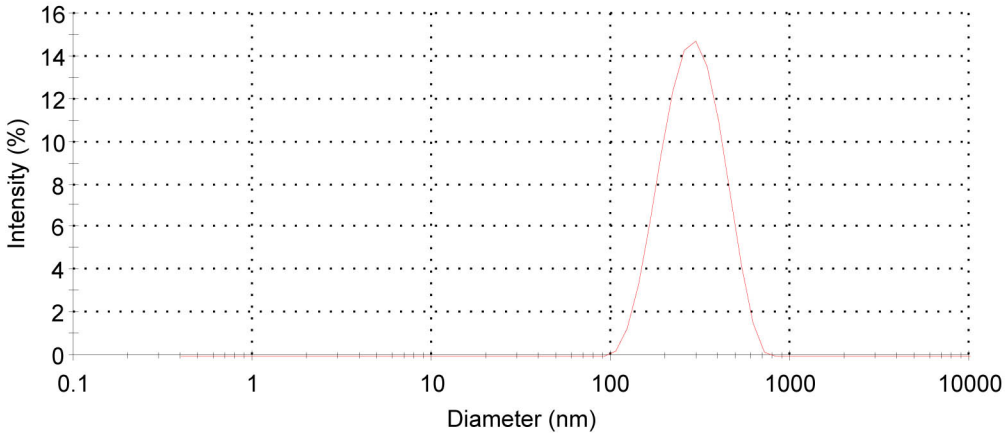


Fig. S1. Particle size and distribution of PLGA nanoparticle, H1.

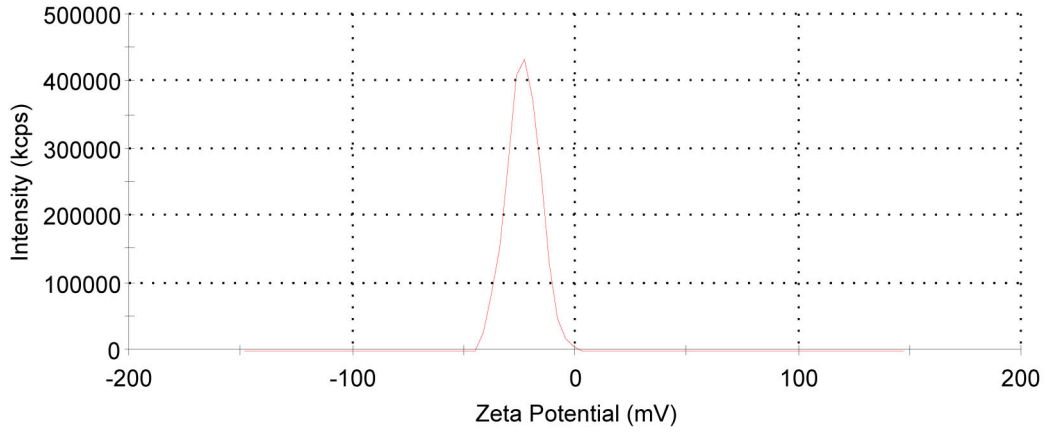


Fig. S2. Zeta potential of PLGA nanoparticle, H1.

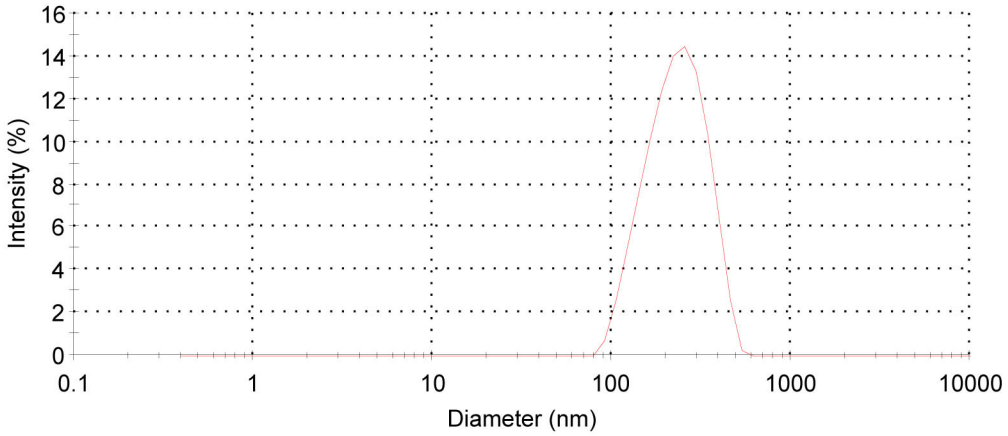


Fig. S3. Particle size and distribution of PLGA nanoparticle loaded with bicyclol, H2.

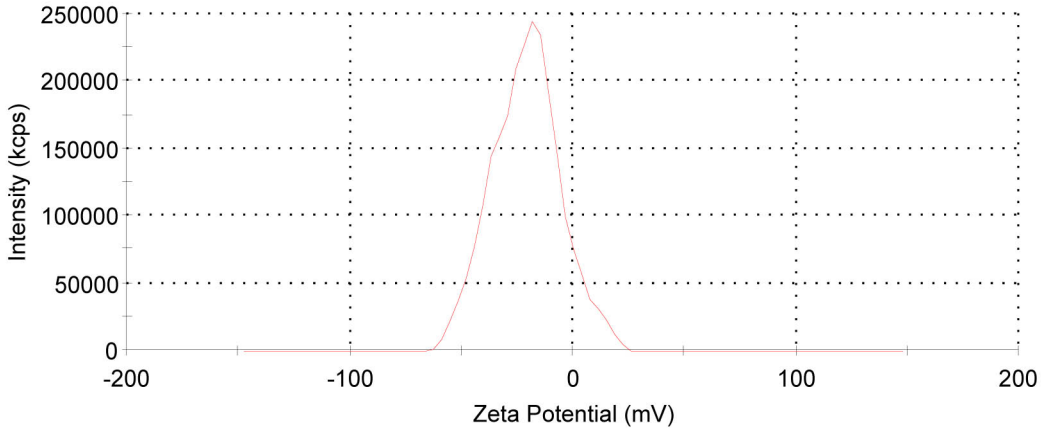


Fig. S4. Zeta potential of PLGA nanoparticle loaded with bicyclol, H2.

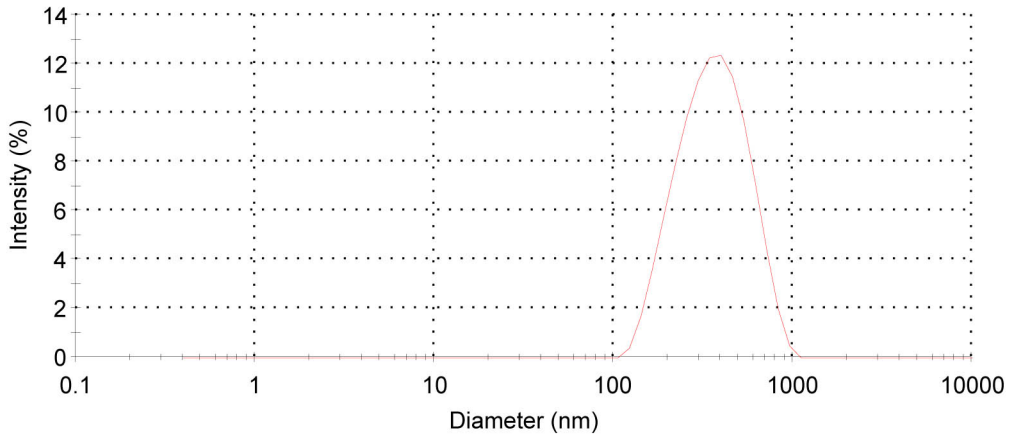


Fig. S5. Particle size and distribution of PLGA nanoparticle loaded with Br-NBP, H3.

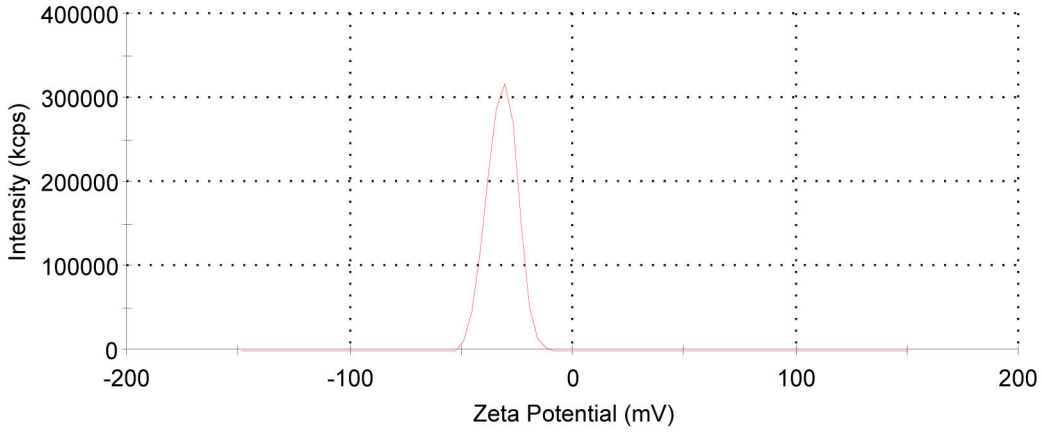


Fig. S6. Zeta potential of PLGA nanoparticle loaded with Br-NBP, H3.

TG-DSC curves

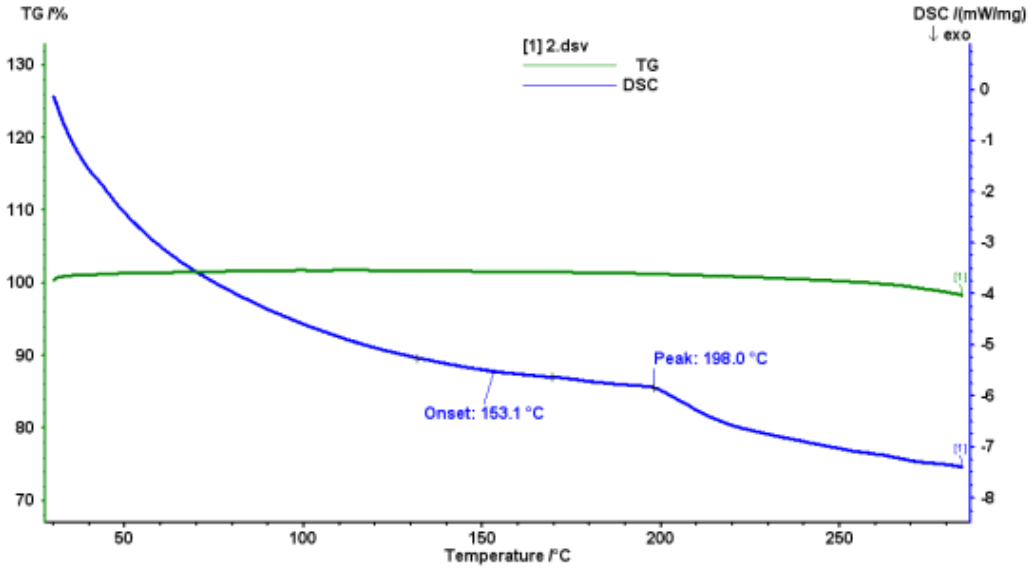


Fig. S7. TG-DSC curve of pure PLGA polymer.

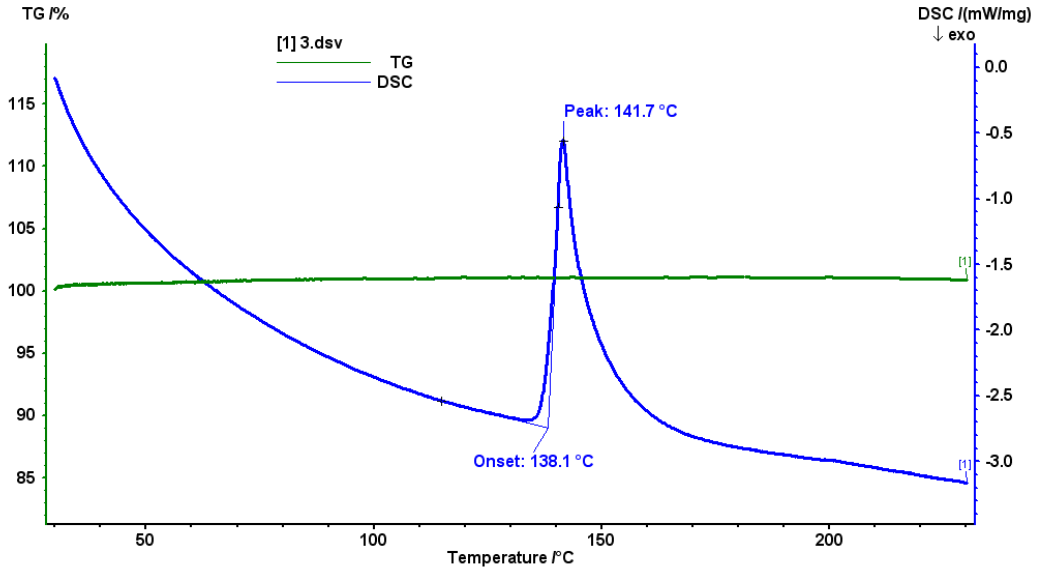


Fig. S8. TG-DSC curve of pure bicyclol.

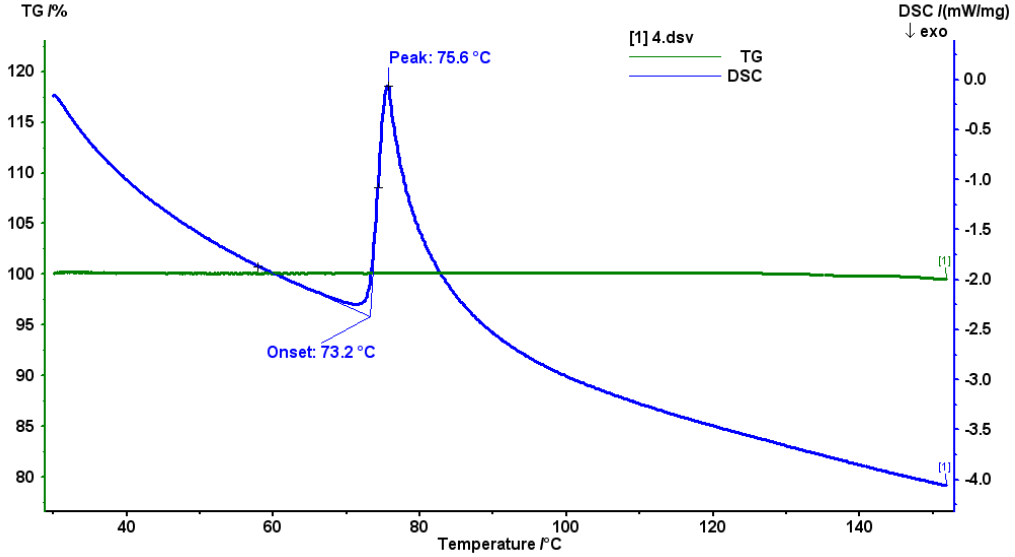


Fig. S9. TG-DSC curve of pure Br-NBP.

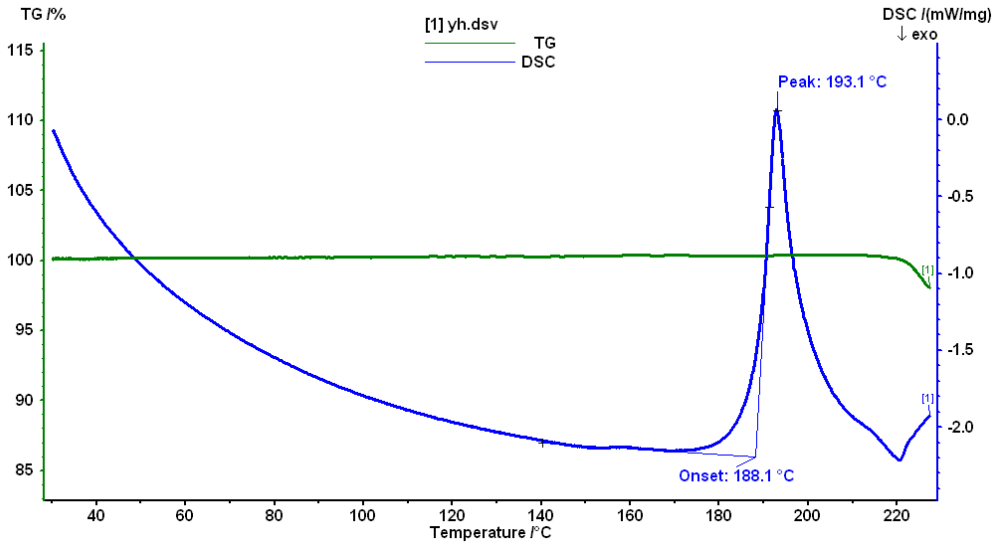


Fig. S10. TG-DSC curve of pure sucrose.

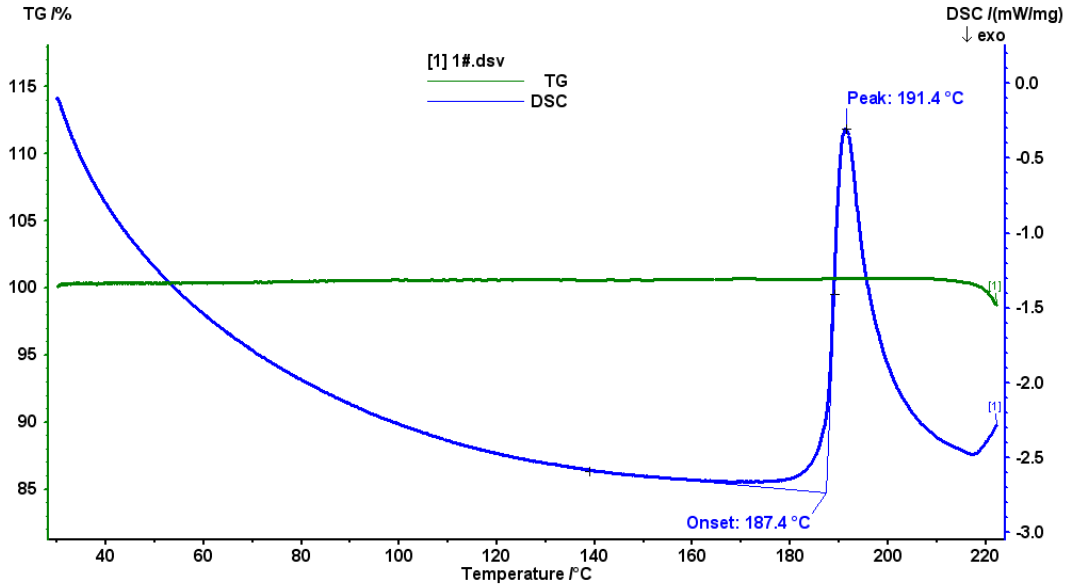


Fig. S11. TG-DSC curve of PLGA nanoparticle, H1.

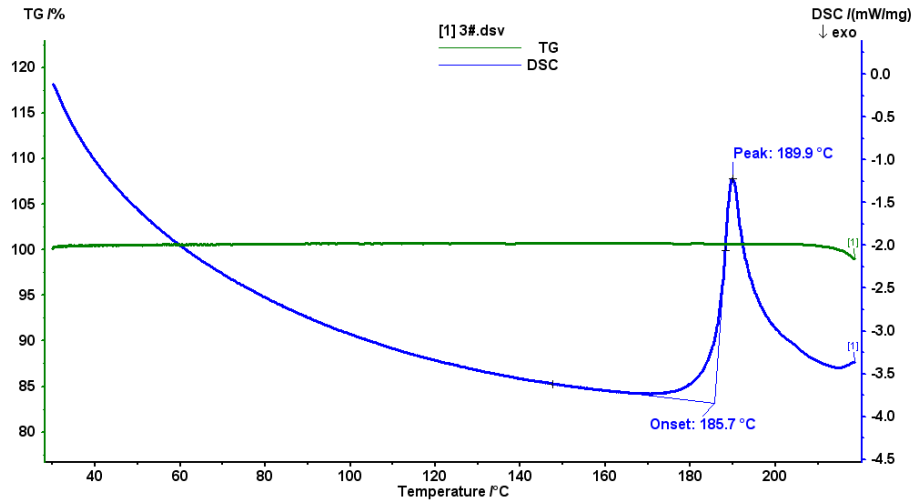


Fig. S12. TG-DSC curve of PLGA nanoparticle loaded with bicyclol, H2.

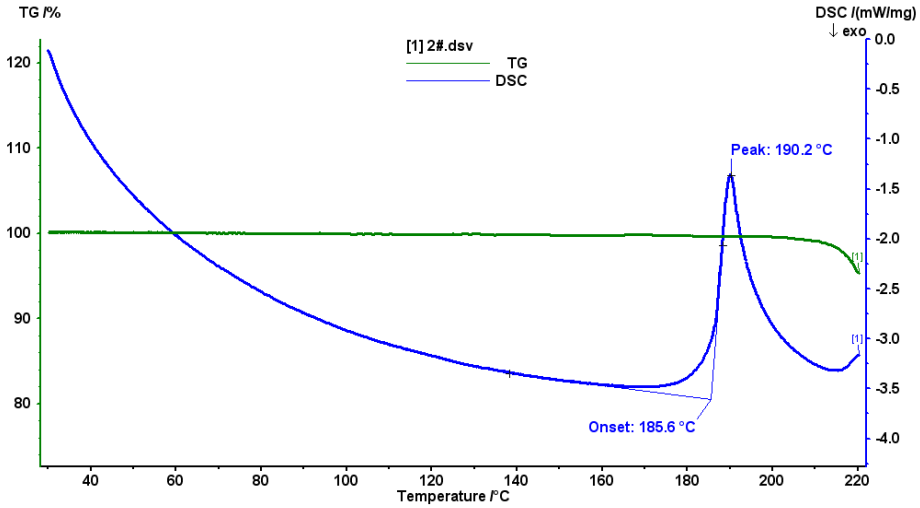


Fig. S13. TG-DSC curve of PLGA nanoparticle loaded with Br-NBP, H3.

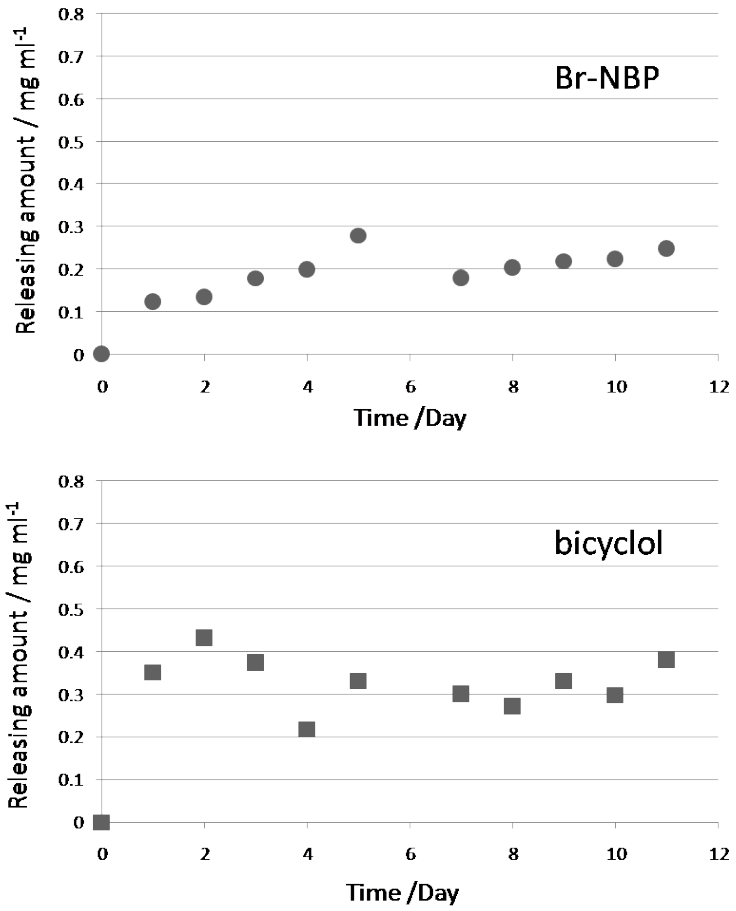


Fig. S14. Releasing profiles of the drugs in water.

bicyclol

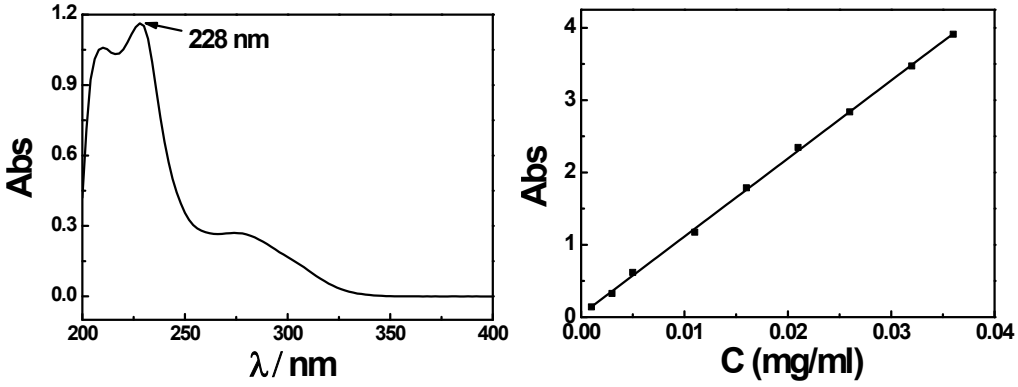


Fig. S15. UV spectrum (left) and calibration curve (right) of bicyclol.

Br-NBP

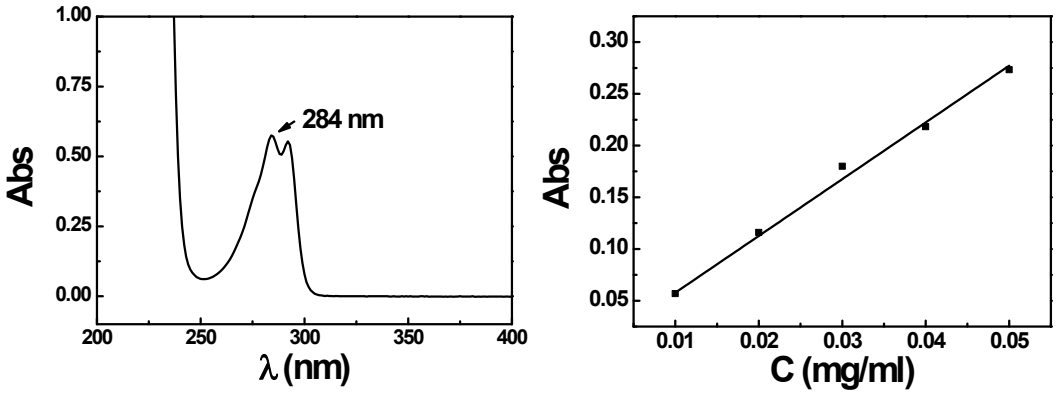


Fig. S16. UV spectrum (left) and calibration curve (right) of Br-NBP.

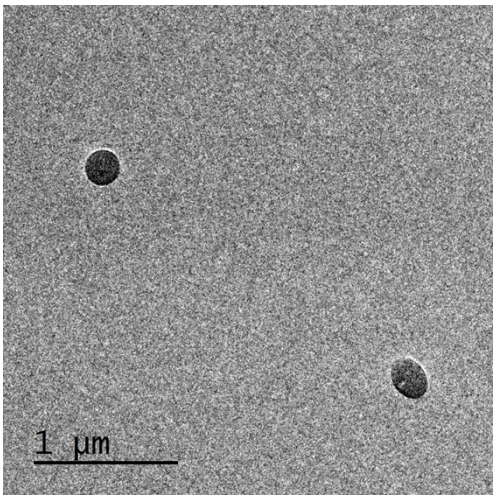


Fig. S17. TEM image of PLGA nanoparticles with Br-NBP.