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British Journal of Pharmaceutical Research
2013_BJPR_4574
Block Copolymer Crosslinked Nanoassemblies Co-entrapping Acridine
Yellow and Doxorubicin for Cancer Theranostics
Research paper

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PART 2: Review Comments

Revi	ewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments In the point of a generation of a generation of a generation of a crist were and a crist were and a crist were antioned of a generation of of a generatio	eir manuscript, Bae and coworkers described oreparation and application of nanoassemblies ombination delivery of imaging and therapeutic ts to tumors. The poly(ethylene glycol)-b- (aspartate) block copolymer with low toxicity was crosslinked by a fluorescent dye line yellow. The crosslinked nanoassemblies e used as nanocarriers for the delivery of cancer drug doxorubicin (DOX). The rrimental results showed that the dye- slinked nanocarriers with DOX could kill cancer as effectively as free DOX, and enhance the acellular uptake in vitro and tumor accumulation vo. I recommend it for publication in British nal of Pharmaceutical Research after these tions are addressed. Page 2, line 80: "N,N'- opropylcarbodiimide; "N-Hydroxysuccinimide": droxysuccinimide. Page 2, line 81: "Dimethylaminopyridine": ethylaminopyridine. Page 3, lines 101-103: "The purified PEG-ASP reacted with AY by adjusting the molar ratio yeen the aspartate groups of PEG-ASP and amino ps of AY (2:1) for a 50% crosslinking yield." se explain why this specific ratio (50%) was en. Page 3, lines 108-111: "DOX was entrapped in	

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Minor REVISION comments	 AY-CNAs in deionized water through the ionic interaction between the amino group of DOX and carboxyl groups of AY-CNAs, following the method previously reported." Please give the reference. 5. Page 5, line 179: "Gel permeation chromatography (GPC) analysis in Figure 2 shows". As mentioned in this manuscript, the poly(ethylene glycol)-b-poly(aspartate) block copolymer was crosslinked by acridine yellow. GPC measurements are suitable for linear polymers, not for branched or crosslinked polymers. GPC-MALLS (multi-angle laser light scattering) measurements should be carried out. 6. Please explain why the fluorescence quenching could be avoided in this drug delivery system. 7. Page 6, line 209: "3.2 Intracellular uptake profile". The flow cytometry analysis should be performed. 8. How about the pharmacokinetics of this delivery system? 	
Optional/General comments		

Note: Anonymous Reviewer