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Title: A Binary Solvent Gel as Drug Delivery Carrier

Author: Li Kong Feng Zhang Pengyao Xing Xiaoxiao Chu
Aiyou Hao

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Research Highlights

1. The gel was prepared through a facile method based on unmodified β -CD without any additional cogelators.
2. Both hydrophobic and hydrophilic drugs (5-FU and DOX) could be loaded into the gel without altering the gelation property of the native system.
3. The hydrophobic molecules formed inclusive complex with β -CD which then interacted with dual-solvents, forming gel scaffolds, whereas hydrophilic drug molecules were entrapped between the gel networks in the meantime.
- 4 The delivery system exhibited a sustained drug release rate for both drugs.

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