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TITLE PAGE

Hyaluronic acid based nanocrystals hydrogels for enhanced topical delivery of drug: a case study

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Highlights:

- Novel nanocrystals based hydrogel was designed by using HLA as matrix.
- BCA-NC could be imprisoned into the gel network of HLA.
- BCA-NC-gel with 1% HLA exhibited the favorable rheological behavior.
- BCA-NC-gel with 1% HLA significantly improved the skin permeation of BCA.
- HLA based nanogel system is a promising carrier for drug transdermal delivery.

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