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Synthesis of Columnar Hydrogel Crystals In Water-Organic Solvent Mixture

This hydrogel is soft and pliable due to having a high water component, additionally it is a liquid at low temperatures and a gel at body temperature. It is biocompatible and similar to natural tissue with biomedical and pharmaceutical applications. It has a three-dimensional macromolecular network that is capable of containing and releasing a large fraction of medically active compounds.

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