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It was demonstrated that there are strong electrostatic interactions between dendrimer and peptides in all complexes.

Switching off these interactions (for example, by pH changes) leads to the destruction of the complexes and the release of peptides from it. The destruction is not very quick due to the remaining hydrophobic interactions between the atoms of the dendrimer and the peptides.

These complexes can be used in future for oral delivery of different therapeutic peptides to brain and other parts of the body in treatment of cancer, brain diseases and etc.

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