

Jain, S.; Kaur, A.; Puri, R.; Utreja, P.; Jain, A.; Bhide, M; Ratnam, R.; Singh, V.; Patil, A. S.; Jayaraman, N.; Kaushik, G.; Yadav, S.; Khanduja, K. L., 2010, "Poly propyl ether imine (PETIM) dendrimer: A novel non-toxic dendrimer for sustained drug delivery", *Eur. J. Med. Chem.*, 45, 4997 – 5005.

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PETIM dendrimer is a new development in the field of dendrimers. Results of present study revealed that this carrier system has good biocompatibility as determined by acute, sub-acute and cytotoxicity measurement assay. Cytotoxicity assay demonstrated significantly less cytotoxicity of PETIM dendrimer in comparison to commercial PAMAM dendrimer. PETIM dendrimer was also found to successfully encapsulate the model drug ketoprofen and in vitro drug release study showed its sustained release potential.