

Jana, C.; Jayamurugan, G.; Ganapathy, R.; Maiti, P. K.; Jayaraman, N.; Sood, A. K., 2006, "Structure of poly(propyl ether imine) (PETIM) dendrimer from fully atomistic molecular dynamics simulation and by small angle X-ray scattering", *J. Chem. Phys.*, *124*, 204719-204719-10.

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This paper describes (1) structure and the atomistic feature of the PETIM dendrimer in comparison with PAMAM and PPI dendrimer, (2) synthesis and spectroscopic characterization generation four PETIM dendrimer, (3) the scattering experimental detail with the basic theory behind it, (4) model construction for the simulation and simulation methods. The results obtained from the simulation as well as Small Angle X-Ray Scattering (SAXS) studies are summarized.