Synthesis of a Large Water-Soluble Gold Cluster (Au_{32-36}) and its Properties as a Potential Label in Electron Microscopy

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Water-Soluble Gold Cluster, Protein Labelling

A water-soluble gold cluster with a core of 32 to 36 gold atoms was prepared by $NaBH_4$ reduction of the AuCN complex of *n*-butyl-bis (5-morpholinocarbonyl-2-furyl)-phosphine and characterized by its mass spectrum. The chromatographic behavior, ligand exchange and binding to actin were studied.