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(54) **Title**: COMPOSITIONS AND METHODS FOR SEPARATING, CHARACTERIZING AND ADMINISTERING SOLUBLE SELENOGLYCOPROTEINS

(57) **Abstract**: The invention relates to soluble selenium compositions and methods of production, separation and purification thereof. In particular the present invention provides methods of preparing water soluble selenoglycoproteins (e.g., via extracting selenoglycoproteins from selenium enriched yeast), methods of supplementing a selenium deficient composition via admixing water soluble selenoglycoproteins with the selenium deficient composition, compositions comprising the water soluble selenoglycoproteins and methods of administering the same.