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(54) Title: NOVEL COMPOSITION FOR TREATMENT OF INFLAMMATORY RELATED DISORDERS

(57) Abstract: Disclosed herein are to compositions comprising complexes of deferoxamine (such as DFO B) with at least one metal, such as with  $Zn^{2+}$  or  $Ga^{3+}$  or silver or gold or any combinations thereof, and a hydrophilic, non-ionic surfactant comprising polyethylene glycol (PEG) and a non-ionic triblock copolymer comprising poloxamers. The surfactant may further comprise nonionic triblock copolymers are composed of a central hydrophobic chain of polyoxypropylene (poly(propylene oxide)) flanked by two hydrophilic chains of polyoxyethylene (poly(ethylene oxide)). Also disclosed are procedures for the preparation of the complexes and pharmaceutical compositions comprising said complexes or any combinations of said complexes, as well as methods using the disclosed compositions and complexes in modulating cytokine levels in a subject and thereby treating inflammation-associated disorders.



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