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(54) **POLYOL AND POLYETHER IRON OXIDE COMPLEXES AS PHARMACOLOGICAL AND/OR MRI CONTRAST AGENTS**

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Publication Classification

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(51) **Int. Cl.⁷** **A61K 33/26**; A61K 9/14
(52) **U.S. Cl.** **424/486**; 424/646

(57) **ABSTRACT**

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Pharmacological compositions, and methods for administration, of the type employing an iron oxide complex with a polyol or polyether. The methods of administration may comprise parenteral administration of an effective dose of the complex formulated in a biocompatible liquid delivered at a rate of from about 1 mL/sec to less than 1 mL/min and wherein upon administration the complex provides minimal detectable free iron in a subject, and minimal incidence of anaphylaxis. The pharmacological compositions are of the type employing a polyol or polyether iron oxide complex, which, upon parenteral administration to a subject, are substantially immunosilent, provide minimal anaphylaxis and minimal free iron, and undergo minimal dissolution in vivo.

(21) Appl. No.: **10/410,527**

(22) Filed: **Apr. 9, 2003**

Related U.S. Application Data

(63) Continuation-in-part of application No. 09/521,264, filed on Mar. 8, 2000, now Pat. No. 6,599,498.

Percent of Cross-Reactivity to α -Dextran for C-7228 versus INFeD[®] Using ELISA

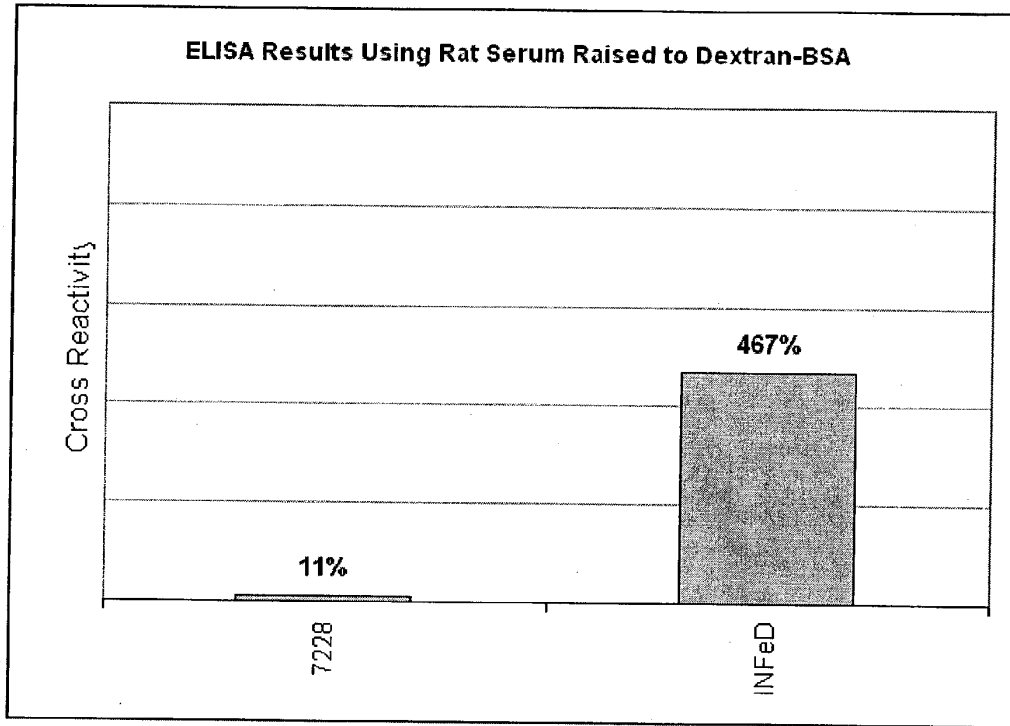


Figure 1

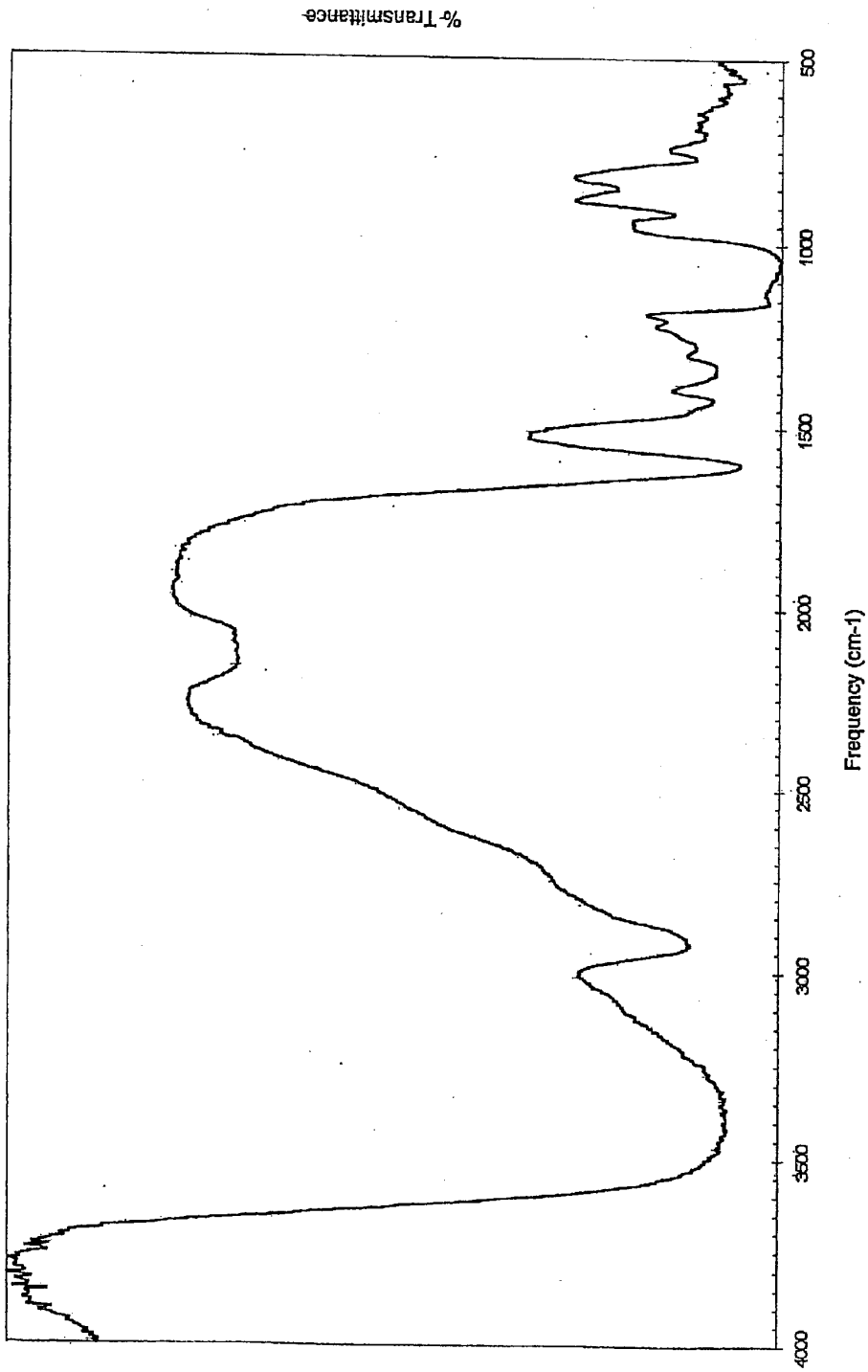


Figure 2

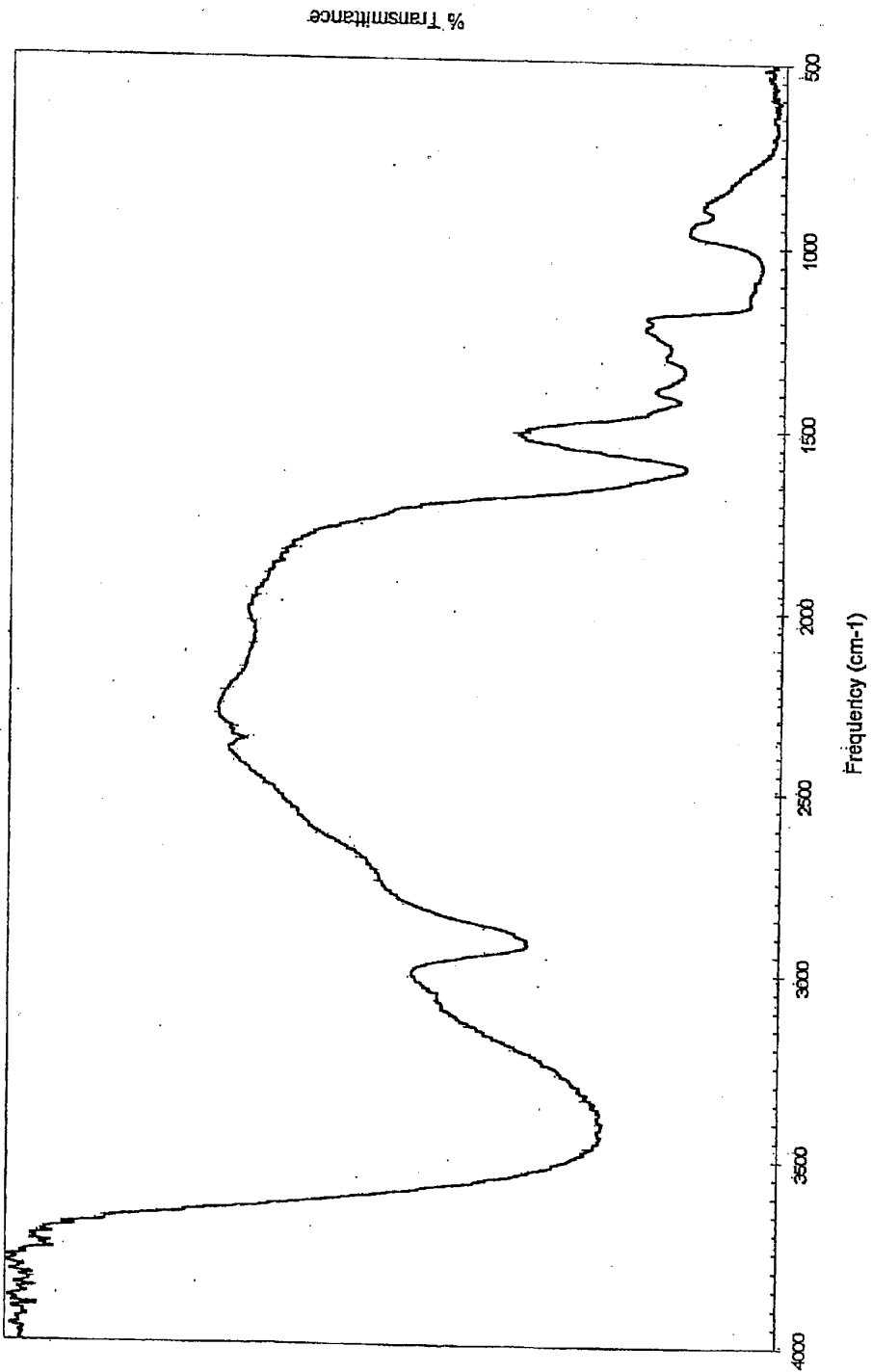
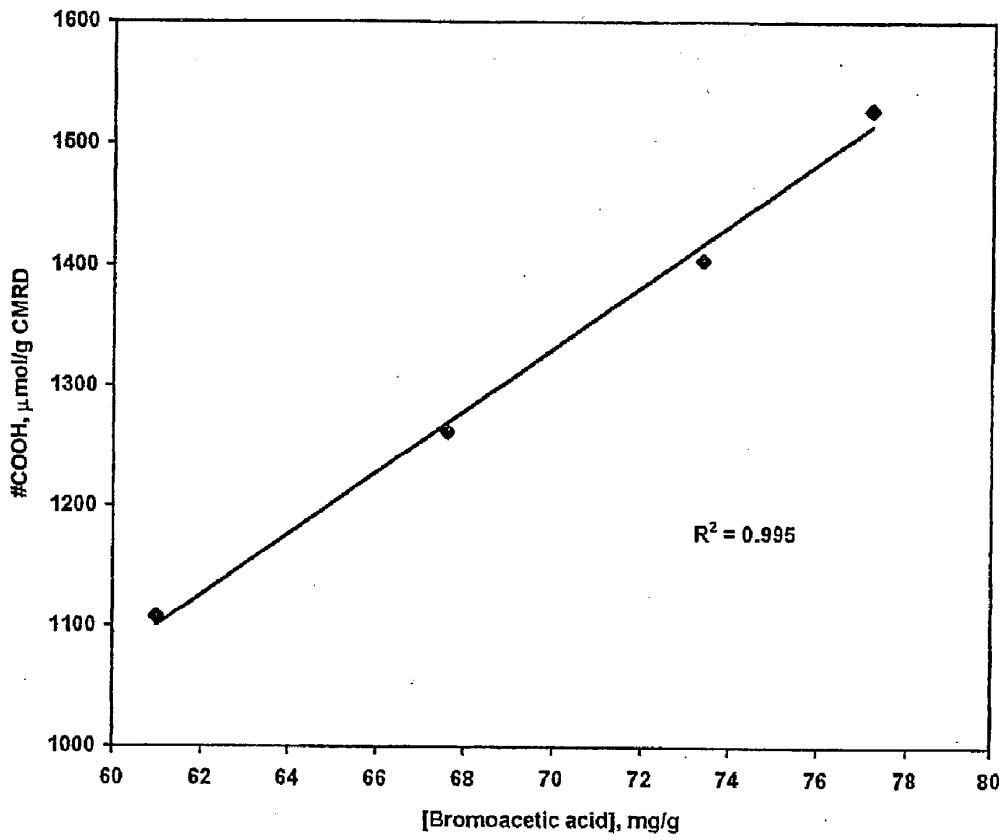


Figure 3

Figure 4



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