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(54) **PURIFIED CYS MOIETY FOR IRON REDUCTASE, AND METHOD FOR OBTAINING AND USING SAME**

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(*) **Notice:** **Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 92 days.**

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(58) **Field of Classification Search** **514/2, 514/12-16; 530/324, 325, 326, 327; 436/89**
See application file for complete search history.

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(57) **ABSTRACT**

The invention comprises a preparation of X-S-Cys-X, moiety, **BRAUNMYCIN I>>**, where X maybe naturally linked peptide or glycan residues essential for iron-reductase activity, as well as methods of obtaining preparation from an iron-nitriloacetic acid iron binding jaw, **BRAUNMYCIN8567**, a component of a batch affinity column; and any interpretation derived from this outcome, like, but not limited to, detection of resistance, to iron-containing antibiotics, in DNA synthesizing cells.

10 Claims, 5 Drawing Sheets