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- [54] **METHOD OF USING TETRACYCLINE COMPOUNDS TO ENHANCE INTERLEUKIN-10 PRODUCTION**
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- [58] Field of Search 514/152

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[57] **ABSTRACT**

The invention is a method of enhancing endogenous interleukin-10 production in mammalian cells and tissues, which includes administering an effective amount of a tetracycline derivative. The method also includes enhancing interleukin-10 production by administering an effective amount of the tetracycline derivative to a mammal. Preferred tetracycline compounds are tetracycline compounds which have been modified to reduce or eliminate their antimicrobial activity. The method can be used to treat medical conditions in mammals characterized by excessive IL-1 and TNF α production.

21 Claims, 5 Drawing Sheets