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# United States Patent [19]

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**Sjoerdsma et al.**

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[54] **METHOD OF INHIBITING PROTOZOAL GROWTH**

[58] Field of Search ..... 560/168; 562/560; 564/240; 514/599, 550, 565, 634

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[56] **References Cited**

### U.S. PATENT DOCUMENTS

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4,134,918	1/1979	Bey	564/240
4,139,563	2/1979	Metcalf	564/240
4,182,891	1/1980	Metcalf	562/561
4,267,374	5/1981	Metcalf	564/240
4,309,442	1/1982	Bey	514/564
4,325,961	4/1982	Kollonitsch	560/40
4,413,141	11/1983	Bey	562/561
4,423,073	12/1983	Gerhart	562/561
4,439,619	3/1984	Bey	562/561
4,446,151	5/1984	Gerhart	562/561
4,454,156	6/1984	Casara	562/574

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### Related U.S. Application Data

[63] Continuation of Ser. No. 453,011, Dec. 20, 1989, abandoned, which is a continuation of Ser. No. 330,967, Mar. 28, 1989, abandoned, which is a continuation of Ser. No. 205,039, Jun. 7, 1988, abandoned, which is a continuation of Ser. No. 930,055, Sep. 2, 1987, abandoned, which is a continuation of Ser. No. 931,591, Nov. 25, 1986, abandoned, which is a continuation-in-part of Ser. No. 811,147, Dec. 19, 1985, abandoned.

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[57] **ABSTRACT**

This invention relates to the use of  $\alpha$ -halomethyl,  $\alpha$ -acetylenic or  $\alpha$ -allenic derivatives of arginine and agmatine, or their dehydro analogs, in the treatment of Chagas disease and Coccidiosis.

[51] Int. Cl.<sup>5</sup> ..... **A61K 31/195**

[52] U.S. Cl. .... **514/565; 514/634; 562/560; 564/240; 560/168**

**11 Claims, No Drawings**