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Alexander et al.

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[54] COMPOSITIONS AND METHODS FOR THE ENHANCEMENT OF HOST DEFENSE MECHANISMS

[75] Inventors: **J. Wesley Alexander**, Cincinnati, Ohio; **Vigen K. Babayan**, Waban; **George L. Blackburn**, Jamiaca Plains, both of Mass.; **Frank B. Cerra**, S. E. Edina, Minn.; **John Daly**, Haveford, Pa.; **Mitchell T. Gersovitz**, Eden Prairie, Minn.; **John E. Kinsella**, Ithaca, N.Y.; **Jerome J. LiCari**, Plymouth, Minn.; **Frederick Rudolph**; **Charles T. Van Buren**, both of Houston, Tex.

[73] Assignee: **Sandoz Ltd.**, Basel, Switzerland

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Related U.S. Application Data

[63] Continuation of Ser. No. 421,045, Oct. 13, 1989, abandoned, which is a continuation-in-part of Ser. No. 305,877, Feb. 2, 1989, abandoned, which is a continuation-in-part of Ser. No. 265,373, Oct. 31, 1988, abandoned.

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[58] **Field of Search** 514/47, 49, 50, 51, 514/547, 549, 552, 560, 558

[56] **References Cited**

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Primary Examiner—John W. Rollins
Assistant Examiner—James Oliver Wilson
Attorney, Agent, or Firm—Robert S. Honor; Melvyn M. Kassenoff; Carl W. Battle

[57] **ABSTRACT**

The invention provides immunostimulatory compositions comprising an aggregate immunostimulatory amount of

a) a compound associated with the synthesis of polyamines,
b) a nucleobase source,
c) omega-3 polyunsaturated fatty acids, and
d) omega-6 polyunsaturated fatty acids

the use of such compositions and their manufacture.

16 Claims, 3 Drawing Sheets