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- [54] **NUTRITIONAL FORMULA WITH RIBO-NUCLEOTIDES**
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- [52] U.S. Cl. **426/656**; 426/69; 426/72; 426/73; 426/541; 426/601; 426/658; 426/801; 514/47; 514/45; 514/46; 514/50; 514/51
- [58] Field of Search 426/541, 801, 426/69, 72, 73, 658, 656, 601; 514/47, 45, 46, 49, 50, 51

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[57] ABSTRACT

An improved enteral formula containing ribo-nucleotide equivalents (RNA, mono-, di- and triphosphate nucleotides, nucleosides and adducts such as activated sugars) at a level of at least 10 mg/100 Kcal (kilocalorie) of formula. More specifically, an infant formula containing at least 10 milligrams of nucleotide equivalents per 100 Kcal of formula where the nucleotide equivalents consist of RNA; mono-, di-, and triphosphate esters of adenosine, cytidine, guanosine, and uridine, and the d-ribose adducts thereof; and wherein the weight ratio of said cytidine nucleotide equivalents to said uridine nucleotide equivalents is 1.5:1 to 2.6:1; of said cytidine nucleotide equivalent to said adenosine nucleotide equivalents is 2:1 to 3.9:1; and of said cytidine nucleotide equivalents to said guanosine nucleotide equivalents is 1.75:1 to 2.8:1, is disclosed. The formula comprises carbohydrates, lipids, proteins, vitamins and minerals and four (4) ribo-nucleotide equivalents at specific levels and ratios. This invention also provides a dietary formula that enhances the immune system and alleviates diarrhea.

42 Claims, No Drawings