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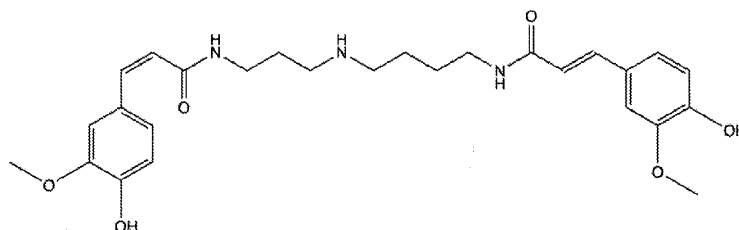


FIGURE 4

(57) Abstract: The present invention relates to compositions for preventing or treating hypercholesterolemia, comprising an extract obtained from *Ananascomosus*, said extract comprising a therapeutically effective amount of N1, N10-Diferuloylspermidine, and preparation methods thereof. The invention provides for a natural product exhibiting HMG-CoA reductase and lipase enzyme inhibition that may 0 be as effective as synthetic cholesterol-lowering drugs available in the market.



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