

[54] α -ACETYLENIC DERIVATIVES OF AMINES

[75] Inventors: Brian W. Metcalf, Strasbourg;
Michel Jung, Illkirch Graffenstaden,
both of France

[73] Assignee: Merrell Toraude et Compagnie,
Strasbourg, France

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C07C 103/10; C01B 25/26

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260/561 A; 260/561 S; 260/561 N; 260/564 A;
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[58] Field of Search 260/583 EE, 583 H, 564 A,
260/570.5 S, 561 R, 561 A, 558 A, 559 A;
424/325, 300, 320; 560/24, 157, 165; 536/26

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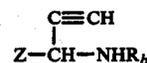
Primary Examiner—Winston A. Douglas

Assistant Examiner—John Doll

Attorney, Agent, or Firm—L. Ruth Hattan; Eugene O. Retter; George W. Rauchfuss, Jr.

[57] ABSTRACT

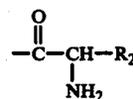
Novel acetylenic derivatives of amines of the following general structure:



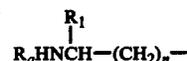
wherein Z is β -methylthioethyl, β -benzylthioethyl, S-(5'-desoxyadenosin-5'-yl)-S-methylthioethyl, γ -guanidinopropyl, or



wherein n is 2 or 3 and R₁ is hydrogen or lower alkyl of from 1 to 4 carbon atoms with the proviso that when R₁ is other than hydrogen, n is 2; and each of R_a and R_b is hydrogen, alkylcarbonyl wherein the alkyl moiety has from 1 to 4 carbon atoms and is straight or branched, alkoxy carbonyl wherein the alkoxy moiety has from 1 to 4 carbon atoms and is straight or branched, or



wherein R₂ is hydrogen, a straight or branched lower alkyl group of from 1 to 4 carbon atoms, benzyl or ρ -hydroxybenzyl; with the provisos that when Z is β -benzylthioethyl or S-(5'-desoxyadenosin-5'-yl)-S-methylthioethyl, R_b is hydrogen, and when Z is



each of R_a and R_b can be the same or different; and pharmaceutically acceptable salts and individual optical isomers thereof.

8 Claims, No Drawings