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United States Patent [19]

Rokos

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[54] **PTERIN DERIVATIVES THE PREPARATION THEREOF AND THE USE THEREOF**

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[52] **U.S. Cl.** **435/7.9**; 435/7.92; 436/518; 544/258; 530/405

[58] **Field of Search** 435/7.1, 7.9, 7.92; 436/501, 505, 544, 518; 530/403, 405; 544/258

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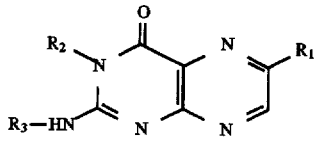
[57] **ABSTRACT**

Pterin derivatives having the general formula I



I

wherein

R_1 represents a group —$(CHOH)_2$—CH_3 or —$(CHOH)_2$—CH_2OH,

R_2 and R_3 are not the same and represent either hydrogen or the group —$(CH_2)_3CONH(CH_2)_4$—NH—R_4, wherein R_4 represents hydrogen or a usual label group for immunoassays or usual coating/support materials for solid phase immunoassays or immunogenic groups for the preparation of antibodies

are useful for the preparation of sensitive immunoassays for the determination of neopterin and biopterin.

5 Claims, No Drawings