

United States Patent [19]

Curtius et al.

[11] Patent Number: 4,758,571

[45] Date of Patent: Jul. 19, 1988

[54] PTERIN DERIVATIVES TO TREAT
PARKINSON'S DISEASE

[75] Inventors: Hans-Christoph Curtius, Zollikon;
Heinrich-Georg Mildner, Weinheim;
Alois Niederwieser, Pfaffhausen, all
of Fed. Rep. of Germany

[73] Assignee: Kanegafuchi Chemical Industry
Company, Limited, Osaka, Japan

[21] Appl. No.: 18,789

[22] Filed: Feb. 20, 1987

Related U.S. Application Data

[63] Continuation of Ser. No. 775,162, Sep. 12, 1985, abandoned, which is a continuation of Ser. No. 471,287, Mar. 2, 1983, abandoned.

[30] Foreign Application Priority Data

Mar. 3, 1982 [CH] Switzerland 1300/82

[51] Int. Cl.⁴ A61K 31/505

[52] U.S. Cl. 514/258

[58] Field of Search 514/258

Primary Examiner—Stanley J. Friedman
Attorney, Agent, or Firm—Ladas & Parry

[57] ABSTRACT

L-erythro-5,6,7,8-tetrahydrobiopterin, L-sepiapterin, 1',2'-diacetyl-5,6,7,8-tetrahydrobiopterin and 6-methyl-5,6,7,8-tetrahydropterin can be used for the therapeutic treatment of patients with Parkinson's disease and of patients with depression.

1 Claim, No Drawings