



US005962515A

United States Patent [19]

[11] **Patent Number:** **5,962,515**

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[45] **Date of Patent:** **Oct. 5, 1999**

[54] **PROCESS FOR ISOLATION AND SYNTHESIS OF 1-(3,4 METHYLENEDIOXY-PHENYL)-1E-TETRADECENE AND ITS ANALOGUES AND THEIR ACTIVITIES AGAINST TUMORS AND INFECTIONS**

[56] **References Cited**

PUBLICATIONS

Likhitwitayawuid, K. Tetrahedron, vol. 43, No. 16, pp. 3689-3694, 1987.

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[57] **ABSTRACT**

Process for isolation of 1-(3,4-methylenedioxy-phenyl)-1E-tetradecene from Piper longum. Processes for synthesis of 1-(3,4-methylenedioxy-phenyl)-1E-tetradecene; its stereoisomers and analogues are disclosed. The compounds isolated and synthesized according to this invention have immunomodulatory properties and can be used to treat tumors and infections.

[21] **Appl. No.: 08/865,152**

[22] **Filed: May 29, 1997**

[51] **Int. Cl.⁶ A61K 31/36; A61K 31/70; C07D 317/48**

[52] **U.S. Cl. 514/464; 549/434; 514/27; 514/35**

[58] **Field of Search 549/434; 514/464**

7 Claims, 5 Drawing Sheets