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Ashley et al.

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(54) **4-DEDIMETHYLAMINOTETRACYCLINE
DERIVATIVES**

(76) Inventors: **Robert A. Ashley**, 63 Woodhill Rd.,
Newtown, PA (US) 18940; **Joseph J.
Hlavka**, Tower Hill Rd., Tuxedo Park,
NY (US) 10987

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patent is extended or adjusted under 35
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Jan. 7, 2000, now abandoned.

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(51) **Int. Cl.**⁷ **A61K 31/65**; C07C 235/66

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(58) **Field of Search** 552/205; 514/152

(56) **References Cited**

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Primary Examiner—Barbara P. Badio

(74) *Attorney, Agent, or Firm*—Hoffmann & Baron, LLP

(57) **ABSTRACT**

The present invention provides new chemically modified
4-dedimethylaminotetracycline compounds that can be sub-
stituted at the 7, 8, and/or 9 positions and methods for
preparing the 4-dedimethylamino tetracycline compounds.
Other tetracycline compounds are the
4-dedimethylaminotetracycline derivatives with an oxime
group, NH-Alkyl, or N—NH-Alkyl group at the C4 posi-
tion. The present invention also provides a method of
treating a mammal suffering from conditions or diseases by
administering to the mammal an effective amount of the new
chemically modified 4-dedimethylamino tetracycline com-
pounds.

10 Claims, 1 Drawing Sheet