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- (71) Applicant (for all designated States except US):
TAPESTRY PHARMACEUTICALS, INC. [US/US];
4840 Pearl East Circle, Suite 300W, Boulder, CO 80301
(US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **MCCHESNEY, James, D.** [US/US]; 1210 Gillaspie Drive, Boulder, CO 80303 (US). **FERRARA, James** [US/US]; 4977 Moorhead Avenue, Apt. 207, Boulder, CO 80305 (US). **ZYGMUT, Jan** [US/US]; 1329 Indian Paintbrush Lane, Longmont, CO 80503 (US).
- (74) Agents: **MARTIN, Timothy, J.** et al.; Timothy J. Martin, P.C., Suite 200, 9250 W 5th Avenue, Lakewood, CO 80226 (US).

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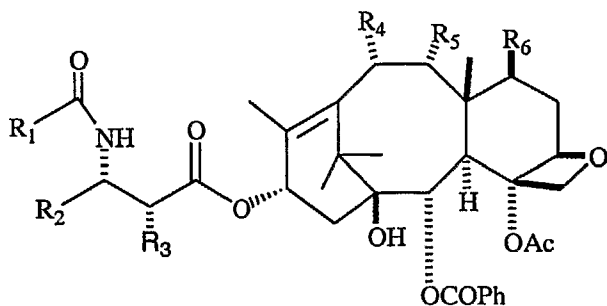
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(54) Title: 9,10- α,α -OH-TAXANE ANALOGS AND METHODS FOR PRODUCTION THEREOF



(I)

(57) Abstract: The present invention relates to new taxane analogs useful for the treatment of cancer as well as methods for producing the same. The chemical compounds according to the present invention have the general Formula (I) wherein R₁ and R₂ are each selected from H, an alkyl group, an olefinic group, an aromatic group, an O-alkyl group, an O-olefinic group, or an O-aromatic group; R₃ is hydroxyl or OP₁; R₄ and R₅ are each hydroxyl or R₇COO; R₆ is hydroxyl, OP₂, R₇COO, or an ether functionality; R₇ is an alkyl group, an olefinic group, or an aromatic group; and P₁ and P₂

are each hydroxyl protecting groups. The chemical compounds of the present invention may particularly be 9, 10- α,α -OH taxane analogs that are formed by a process that begins with a standard taxane as the starting compound.



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