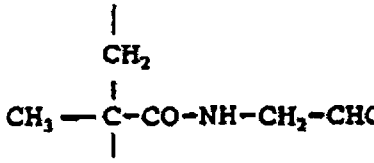
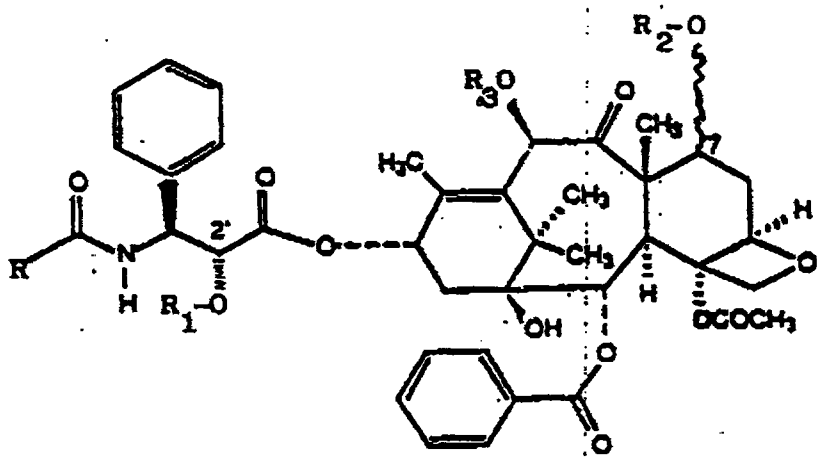
## ABSTRACT

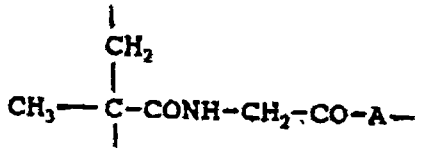
### POLYMER-BOUND PACLITAXEL DERIVATIVES



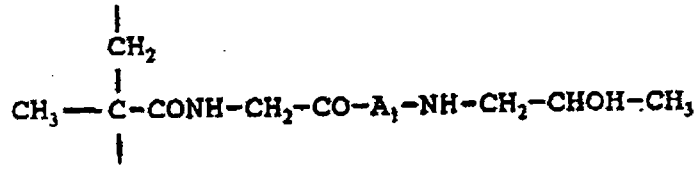
(a)



(b)



(c)



(d)

A polymer conjugate consisting essentially of from 90 to 99.9 mol % of units represented by formula (a); from 0.1 to 5 mol % of units represented by formula (b), wherein one of $R_1$ and $R_2$ is a copolymer residue of formula (c), and the

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other one is hydrogen atom; from 0 to 9.9 mol % of units represented by formula (d), wherein R is a phenyl or t-butoxy group, $R_3$ is H or an acetyl group, A and $A_1$ which may be the same or different, represent a chemical single bond, an amino acid residue or peptide spacer selected from β Ala, Gly, Phe-Gly, Phe-Phe, Leu-Gly, Val-Ala, Phe-Ala, Leu-Phe, Leu-Ala, Phe-Leu-Gly, Phe-Phe-Leu, Leu-Leu-Gly, Phe-Tyr-Ala, Phe-Gly-Phe, Phe-Phe-Gly, Phe-Leu-Gly-Phe, Gly-Phe-Leu-Gly-Phe, Gly-β-Ala, Phe-Gly-βAla, Phe-Phe-βAla, Leu-Gly-βAla, Val-Ala-βAla, Phe-Ala-βAla, Leu-Phe-βAla, Leu-Gly-βAla, Phe-Leu-Gly-βAla, Phe-Phe-Leu-βAla, Leu-Leu-Gly-βAla, Phe-Tyr-Ala-βAla, Phe-Gly-Phe-β, Phe-Phe-GlyβAla, Phe-Leu-Gly-Phe-βAla or Gly-Phe-Leu-Gly-Phe-βAla. The compounds are endowed with antitumor activity and show improved water solubility and decreased toxicity in comparison with paclitaxel or its known analogs. A method for their preparation and pharmaceutical compositions containing them are also described.

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