

Maleic anhydride used as conjugation agents of anti-tumor agents on desired carriers

The present invention relates to anti-tumor-conjugation agent-protein compounds of the general formula I :

- wherein, R1 and R2 are each independently selected from hydrogen atom, C1-4 alkyl, C1-4 alkoxy, C1-6 carboxyalkyl, phenyl, or phenyl substituted by at least one of hydroxy, halogen, lower alkyl, lower alkoxy, or nitro, with the proviso that R1 and R2 cannot be simultaneously a hydrogen, and when one of R1 or R2 is a hydrogen, the other one cannot be -- CH₂COOH;
 - A is the residue of an anti-tumor agent containing at least one amino group available to form an amide bound; and
 - B is a free e-lysine containing residue selected from a peptide or a protein.
-