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(54) Title: ANTIBODY-CONJUGATES FOR TARGETING OF TUMOURS EXPRESSING PTK7

(57) **Abstract:** The present invention concerns antibody-conjugates which are especially suitable for the targeting of PTK7-expressing cells, in particular tumour cells. The antibody-conjugates according to the invention have structure (1): AB-[(L₆)_b-{Z-L-D}_x]_y (1) Herein, AB is an antibody capable of targeting PTK7-expressing tumours; L is a linker that links Z to D; Z is a connecting group; L⁶ is -GlcNAc(Fuc)_w-(G)_j-S-(L⁷)_{w'}-, wherein G is a monosaccharide, j is an integer in the range of 0 - 10, S is a sugar or a sugar derivative, GlcNAc is N- acetylglucosamine and Fuc is fucose, w is 0 or 1, w' is 0, 1 or 2 and L⁷ is -N(H)C(O)CH₂-, -N(H)C(O)CF₂- or -CH₂-; D is selected from the group consisting of anthracyclines, camptothecins, tubulysins, enediynes, amanitins, duocarmycins, maytansinoids, auristatins, eribulins, BCL-XL inhibitors, hemiasterlins, KSP inhibitors, TLR agonists, indolinobenzodiazepine dimers or pyrrolobenzodiazepine dimers (PBDs), and analogues or prodrugs thereof; b is 0 or 1; x is 1 or 2; and y is 1, 2, 3 or 4. The invention further concerns a method for preparing the antibody- conjugates of structure (1) and application of the antibody-conjugates of structure (1).



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