

Title (en)
CYTOTOXIC CD44 ANTIBODY IMMUNOCONJUGATES

Title (de)
ZYTOTOXISCHE CD44-ANTIKÖRPERIMMUNKONJUGATE

Title (fr)
IMMUNOCONJUGUES D'ANTICORPS DE CD44 CYTOTOXIQUES

Publication
EP 1395290 A2 20040310 (EN)

Application
EP 02753054 A 20020516

Priority
• EP 02753054 A 20020516
• EP 0205413 W 20020516
• EP 01112227 A 20010518

Abstract (en)
[origin: EP1258255A1] The present invention relates to novel conjugates of antibodies with cytotoxic compounds, pharmaceutical compositions containing such conjugates, and their use in cancer therapy. In particular, the present invention relates to conjugates of antibodies which are specific for CD44 with maytansinoids, preferably with N<2'>-deacetyl-N<2'>-(3-mercapto-1-oxopropyl)-maytansine. In a particularly preferred embodiment, the antibody/maytansinoid conjugate may be prepared from a maytansinoid of formula <CHEM> wherein R1 represents H or SR4, wherein R4 represents methyl, ethyl, linear alkyl, branched alkyl, cyclic alkyl, simple or substituted aryl, or heterocyclic; R2 represents Cl or H; R3 represents H or CH3; and m represents 1, 2, or 3. Preferably, R1 is H or CH3, R2 is Cl, R3 is CH3, and m=2. The compound with R1=H, R2=Cl, R3=CH3, and m=2 is designated DM1 in the literature.

IPC 1-7
A61K 47/48; **A61P 35/00**

IPC 8 full level
C07D 498/18 (2006.01); **A61K 31/5386** (2006.01); **A61K 31/787** (2006.01); **A61K 39/395** (2006.01); **A61K 47/48** (2006.01); **A61P 35/00** (2006.01)

CPC (source: EP KR US)
A61K 47/50 (2017.07 - KR); **A61K 47/68033** (2023.08 - EP KR US); **A61K 47/6849** (2017.07 - EP US); **A61P 35/00** (2017.12 - EP); **A61P 35/04** (2017.12 - EP)

Citation (search report)
See references of WO 02094325A2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1258255 A1 20021120; AR 035977 A1 20040728; BG 108366 A 20040930; BR 0209862 A 20040608; CA 2443438 A1 20021128; CN 1509187 A 20040630; CO 5550468 A2 20050831; CZ 20033477 A3 20040512; EA 200301159 A1 20040624; EE 200300568 A 20040415; EP 1395290 A2 20040310; HR P20030932 A2 20040430; HU P0400046 A2 20040428; HU P0400046 A3 20060228; IL 157965 A0 20040328; JP 2004529963 A 20040930; KR 20030097883 A 20031231; MX PA03010432 A 20040402; NO 20035108 D0 20031117; NO 20035108 L 20031117; NZ 530167 A 20051028; PE 20021097 A1 20030213; PL 365480 A1 20050110; SK 15582003 A3 20040406; WO 02094325 A2 20021128; WO 02094325 A3 20030417; YU 91503 A 20060525; ZA 200307364 B 20040420

DOCDB simple family (application)
EP 01112227 A 20010518; AR P020101829 A 20020517; BG 10836603 A 20031117; BR 0209862 A 20020516; CA 2443438 A 20020516; CN 02810163 A 20020516; CO 03101695 A 20031118; CZ 20033477 A 20020516; EA 200301159 A 20020516; EE P200300568 A 20020516; EP 0205413 W 20020516; EP 02753054 A 20020516; HR P20030932 A 20031114; HU P0400046 A 20020516; IL 15796502 A 20020516; JP 2002591041 A 20020516; KR 20037015037 A 20031118; MX PA03010432 A 20020516; NO 20035108 A 20031117; NZ 53016702 A 20020516; PE 2002000420 A 20020517; PL 36548002 A 20020516; SK 15582003 A 20020516; YU P91503 A 20020516; ZA 200307364 A 20030922