

Title (en)

CHANGE OF THE LOAD STATE OF MHC MOLECULES

Title (de)

ÄNDERUNG DES BELADUNGSZUSTANDES VON MHC-MOLEKÜLEN

Title (fr)

MODIFICATION DE L'ETAT DE CHARGE DE MOLECULES MHC

Publication

**EP 1789085 A2 20070530 (DE)**

Application

**EP 05796212 A 20050916**

Priority

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Abstract (en)

[origin: WO2006029891A2] The invention relates to a method for changing the load state of MHC molecules with ligands, whereby the change of the load state is catalyzed by a compound of the formulae (I), (IA), (II), (III) or (IV1) to (IV3). The invention also relates to the use of the compounds of formulae (I), (IA), (II), (III) or (IV1) to (IV3) or to the use of MHC molecules that are loaded with ligands, which are obtained by the inventive method, for treating diseases or conditions that are linked with various pathologically exuberant or absent immune responses, and for triggering tumor-specific, pathogen-specific or autoreactive immune responses. The invention also relates to the use of these compounds in the treatment and diagnosis of cancer, infectious diseases, autoimmune diseases and for attenuating aggressive immune reactions, and to the production of a vaccine or a pharmaceutical composition for treating the aforementioned diseases or conditions.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2006029891A2

Citation (examination)

- EP 0023865 A2 19810211 - MERCK & CO INC [US]
- HÖPNER SABINE ET AL: "Small organic compounds enhance antigen loading of class II major histocompatibility complex proteins by targeting the polymorphic P1 pocket", JOURNAL OF BIOLOGICAL CHEMISTRY, THE AMERICAN SOCIETY OF BIOLOGICAL CHEMISTS, INC, US, vol. 281, no. 50, 15 December 2006 (2006-12-15), pages 38535 - 38542, XP008093382, ISSN: 0021-9258, [retrieved on 20060927], DOI: 10.1074/JBC.M606437200
- KATHARINA DICKHAUT ET AL: "Enhancement of Tumour-Specific Immune Responses In Vivo by 'MHC Loading-Enhancer' (MLE)", PLOS ONE, vol. 4, no. 9, 1 January 2009 (2009-01-01), pages E6811, XP055014130, ISSN: 1932-6203, DOI: 10.1371/journal.pone.0006811

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