

Title (en)

REGULATION OF CELLULAR APOPTOSIS USING MODULATORS OF  $\beta$ (b)-AR RECEPTORS

Title (de)

REGULIERUNG DER ZELLAPOPTOSE DURCH BETA-ADRENOREZEPTOR-MODULATOREN

Title (fr)

REGULATION DE L'APOPTOSE CELLULAIRE PAR DES MODULATEURS DE RECEPTEURS  $\beta$ (b)-AR

Publication

**EP 1017373 A2 20000712 (FR)**

Application

**EP 98945354 A 19980922**

Priority

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Abstract (en)

[origin: FR2768626A1] Use of a beta -adrenergic modulator to obtain an apoptosis-regulating medicament is new. PREFERRED MODULATOR - The beta -adrenergic modulator is a beta 1, beta 2 or beta 3 adrenergic receptor agonist or antagonist. A beta 2 adrenergic receptor agonist is used to inhibit apoptosis of hepatocytes. EXAMPLE - C57BL/6 mice receiving drinking water containing 1.3 mg/l clenbuterol (a specific beta 2-adrenergic receptor) for 18 hours before intra-venous injection with 15  $\mu$ g anti-Fas monoclonal antibody Jo2 had a survival time of 200-210 minutes, compared with 150-175 minutes for non-pretreated mice.

IPC 1-7

**A61K 31/00**; **A61K 31/135**

IPC 8 full level

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