Title (en)

METHOD FOR THE TARGETED KILLING OF CELLS BY NUCLEOTIDE MOLECULES DIRECTED FOR MRNA BINDING, AND ALSO NUCLEOTIDE MOLECULES AND APPLICATION KIT FOR SUCH A USE

Title (de)

VERFAHREN ZUR GEZIELTEN ABTÖTUNG VON ZELLEN DURCH ZUR MRNA-ANBINDUNG AUSGERICHTETE NUKLEOTID-MOLEKÜLE SOWIE NUKLEOTID-MOLEKÜLE UND APPLIKATIONSKIT FÜR SOLCHE VERWENDUNG

Title (fr)

PROCÉDÉ PERMETTANT DE TUER DE MANIÈRE CIBLÉE DES CELLULES PAR L'INTERMÉDIAIRE DE MOLÉCULES NUCLÉOTIDES ORIENTÉES VERS LA LIAISON À L'ARNM, MOLÉCULES NUCLÉOTIDES ET KIT D'APPLICATION POUR UNE TELLE UTILISATION

Publication

EP 2961842 A2 20160106 (DE)

Application

EP 14711693 A 20140226

Priority

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- EP 2014053666 W 20140226

Abstract (en)

[origin: WO2014131773A2] The object was to kill cells, even in the case of genome mutations, in a broad field of application, efficiently, reliably and as effectively as possible in the organism, without the occurrence of disadvantages and side effects of chemical, physical, biochemical, but in particular molecular-biological, methods that are known per se. According to the invention, for the targeted killing of cells, nucleotide molecules are used which bind by a nucleotide sequence to a single region of the mRNA, which, on the basis of sequencing analyses, is subjected very rarely to a mutation, and therefore, even in the case of increased mutation rates in the entire genome, reliably kill the cell without a required further mRNA binding or other cell activity.

IPC 8 full level

C12N 15/11 (2006.01); **A61K 31/7088** (2006.01); **C12N 15/113** (2010.01)

CPC (source: EP US)

A61J 1/06 (2013.01 - US); **A61K 31/713** (2013.01 - EP US); **A61K 45/06** (2013.01 - US); **A61M 5/178** (2013.01 - US); **C12N 15/111** (2013.01 - EP); **C12N 15/113** (2013.01 - EP US); **C12N 15/1137** (2013.01 - US); C12N 2310/14 (2013.01 - EP US); C12N 2320/31 (2013.01 - US)

Citation (search report)

See references of WO 2014131773A2

Designated contracting state (EPC)

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DE 102013003869 A1 20140828; **DE 102013003869 B4 20161124**; EP 2961842 A2 20160106; US 2016145623 A1 20160526; WO 2014131773 A2 20140904; WO 2014131773 A3 20141023

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