

Title (en)

METHOD FOR THE DEVELOPMENT OF A DELIVERY PLATFORM TO PRODUCE DELIVERABLE PTD-IVT-MRNA THERAPEUTICS

Title (de)

VERFAHREN ZUR ENTWICKLUNG EINER VERABREICHUNGSPLATTFORM ZUM PRODUZIEREN VON VERABREICHUNGSFÄHIGEN PTD-IVT-MRNA-THERAPEUTIKA

Title (fr)

PROCÉDÉ POUR LE DÉVELOPPEMENT D'UNE PLATEFORME D'ADMINISTRATION POUR PRODUIRE DES AGENTS THÉRAPEUTIQUES À BASE DE PTD-IVT-ARNM ADMINISTRABLES

Publication

**EP 4061393 A1 20220928 (EN)**

Application

**EP 20823912 A 20201111**

Priority

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Abstract (en)

[origin: WO2021094792A1] This invention relates to a method for the production of a delivery platform to produce deliverable PTD-IVT-mRNA therapeutics, wherein Protein Transduction Domains (PTDs) technology is used as a transduction delivery platform for therapeutic IVT-mRNAs and the development of said delivery platform is accomplished by a covalent chemical reaction between said IVT-mRNA molecules and a selected transduction peptide PFVYLI. Said method is remarkable by the combination of the PTD technology with IVT-mRNA, via covalent chemical binding-conjugation, wherein said IVT-mRNA is conjugated to a PTD, by means whereof the stability of the connection between the PTD transporter and the therapeutic IVT-mRNA molecule is achieved, thus providing very stable IVT-mRNA:PTD complex. Said IVT-mRNAs constituting therapeutic molecules, are submitted to an intracellular delivery through said covalently conjugation to the appropriate PTD, after which said IVT-mRNA's are directed to ribosomes and translated into corresponding targeted proteins to reveal their therapeutic effect. Delivery platform produced with said method and its use.

IPC 8 full level

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CPC (source: EP GR)

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Citation (search report)

See references of WO 2021094792A1

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