

Nucleic Acid Targeted Drug Design

Nucleic acid targeted drug design (eBook, 1992) [WorldCat.org]Chapter 9: Nucleic Acids as Drug Targets Flashcards | QuizletNucleic Acid Targeted Drug Design - s2.kora.comDesign of a targeted peptide nucleic acid prodrug to ...Nucleic Acid Targeted Drug Design - Itbl2020.devmantra.ukNucleic Acid Targeted Drug Design: 9780824786625: Medicine ...Micycleplex-based nucleic acid therapeutics: From targeted ...Drug design - WikipediaBing: Nucleic Acid Targeted Drug DesignTTD: Therapeutic Target DatabaseNucleic acid design - WikipediaStructure-based Drug Design: From Nucleic Acid to Membrane ...Functional nucleic acids for cancer theranostics ...Topic 5 Nucleic Acids as Drug TargetsNucleic Acid Targeted Drug DesignTherapeutic target database 2020: enriched resource for ...Nucleic Acid Targeted Drug DesignNucleic Acid Aptamers as a Potential Nucleus Targeted Drug ...Drug Discovery Techniques Open the Door to RNA-targeted ...

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Topic 5 Nucleic Acids as Drug Targets Nucleic Acids-Chapter 7 Patrick and Corey 187, 188, 193-194, 198-199. N N N H₂N N N NH O O Me O O P O O O O P O O O HN N N O N H₂N O P O O O N N NH₂ O O O P O O O O P O O O O P O O O O 3' 3' 5' 5' 5' 5'

3' 3' Thymine Adenine Cytosine Guanine 1. DEOXYRIBONUCLEIC ACID (DNA) Base Pairing

Chapter 9: Nucleic Acids as Drug Targets Flashcards | Quizlet

Thomas J Perun Nucleic acid targeted drug design (eBook, 1992) [WorldCat.org] In this study, we present the design and synthesis of an antisense peptide nucleic acid (asPNA) prodrug, which displays an improved biodistribution profile and an equally improved capacity to reduce the levels of target mRNA. The prodrug, K(GalNAc)(2)-asPNA, comprised ...

Nucleic Acid Targeted Drug Design - s2.kora.com

Drug targets. A biomolecular target (most commonly a protein or a nucleic acid) is a key molecule involved in a particular metabolic or signaling pathway that is associated with a specific disease condition or pathology or to the infectivity or survival of a microbial pathogen. Potential drug targets are not necessarily disease causing but must by definition be disease modifying.

Design of a targeted peptide nucleic acid prodrug to ...

Nucleic Acid Drug Cell line / model Remarks Ref. Redox-responsive: PEG-PE: Disulfide bonds: ... Considering the current trends in cancer-targeted strategies, the future design and applicability of micelleplexes should also include the manipulation and targeting of the cancer microenvironment, stroma cells including cancer-associated fibroblasts ...

Nucleic Acid Targeted Drug Design - Itbl2020.devmantra.uk

Nucleic acid design is the process of generating a set of nucleic acid base sequences that will associate into a desired conformation. Nucleic acid design is central to the fields of DNA nanotechnology and DNA computing. It is necessary because there are many possible sequences of nucleic acid strands that will fold into a given secondary structure, but many of these sequences will have ...

Nucleic Acid Targeted Drug Design: 9780824786625: Medicine

...

Nucleic acid targeted drug design (eBook, 1992) [WorldCat.org] A number of proteins and nucleic acids have been explored as therapeutic targets. These targets are subjects of interest in different areas of biomedical and pharmaceutical research and in the development and evaluation of bioinformatics, molecular

modeling, computer-aided drug ...

Micelleplex-based nucleic acid therapeutics: From targeted ...

Knowledge of therapeutic targets and early drug candidates is useful for improved drug discovery. In particular, information about target regulators and the patented therapeutic agents facilitates research regarding druggability, systems pharmacology, new trends, molecular landscapes, and the developo ...

Drug design - Wikipedia

The phosphoramidite form of the anticancer drug (Fig. 2B) could be incorporated into the nucleic acid sequence in a site- and quantity- controllable manner through DNA solid synthesis technology . The flow cytometric results and confocal images demonstrated the specific binding and internalization of MTs (sgc8-(PC-5FU) n) into targeted CEM ...

Bing: Nucleic Acid Targeted Drug Design

Advantages for targeting nucleic acids (RNA or DNA for drug development. -If you want to turn off a gene that regulates an entire process you can do that through

targeting DNA. -Light switch approach (either on or off)

TTD: Therapeutic Target Database

Title:Nucleic Acid Aptamers as a Potential Nucleus Targeted Drug Delivery System
VOLUME: 17 ISSUE: 2 Author(s):Garima Shrivastava, Hamid A. Bakshi, Alaa A. Aljabali, Vijay Mishra, Faruck L. Hakkim, Nitin B. Charbe, Prashant Kesharwani, Dinesh K. Chellappan, Kamal Dua and Murtaza M. Tambuwala*
Affiliation:Department of Biochemical Engineering and Biotechnology, Indian Institute of Technology ...

Nucleic acid design - Wikipedia

Nucleic acid targeted drug design. New York : M. Dekker, ©1992 (DLC) 92017585 (OCoLC)25915133: Material Type: Document, Internet resource: Document Type: Internet Resource, Computer File: All Authors / Contributors: C L Propst; Thomas J Perun

Structure-based Drug Design: From Nucleic Acid to Membrane

...

Sensing Shape. Understanding RNA structure can help scientists find pockets on the nucleic acids where drugs might bind. Some RNA structures are just as complex as those of proteins, says Kevin Weeks, a chemist at the University of North Carolina at Chapel Hill and cofounder of Ribometrix, a company developing RNA-targeted drugs. Base pairing leads to secondary structure, with RNAs forming ...

Functional nucleic acids for cancer theranostics ...

A number of proteins and nucleic acids have been explored as therapeutic targets. These targets are subjects of interest in different areas of biomedical and pharmaceutical research and in the development and evaluation of bioinformatics, molecular modeling, computer-aided drug design and analytical tools.

Topic 5 Nucleic Acids as Drug Targets

Design of a targeted peptide nucleic acid prodrug to inhibit hepatic human microsomal triglyceride transfer protein expression in hepatocytes. Biessen EA(1), Sliedregt-Bol K, 'T Hoen PA, Prince P, Van der Bilt E, Valentijn AR, Meeuwenoord NJ, Princen H, Bijsterbosch MK, Van der Marel GA, Van Boom JH, Van Berkel TJ.

Nucleic Acid Targeted Drug Design

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Therapeutic target database 2020: enriched resource for ...

Chaires JB. A competition dialysis assay for the study of structure-selective ligand binding to nucleic acids. *Curr Protoc Nucleic Acid Chem.* 2003; Chapter 8 (Unit 8 3)
Chaires JB. Competition dialysis: an assay to measure the structural selectivity of drug-nucleic acid interactions. *Curr Med Chem Anticancer Agents.* 2005a; 5 (4):339-352.

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Despite their relatively lower efficiency, nonviral approaches are emerging as safer alternatives in gene therapy to viral vectors. Delivery of nucleic aci...

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