

Title (en)

IMPROVED METHOD TO IDENTIFY TARGETING MOLECULES

Title (de)

VERBESSERTES VERFAHREN ZUR IDENTIFIZIERUNG VON TARGETING-MOLEKULEN

Title (fr)

PROCEDE AMELIORE D'IDENTIFICATION DE MOLECULES DE CIBLAGE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2004015392A2] Methods for validating the in vivo targeting specificity of compounds according to pharmacokinetic criteria are described. An improved method to generate a library of peptides with reduced complexity and enhanced candidate compound membership comprises expressing oligonucleotides encoding cyclic peptides with randomized coding sequences representing the non-bridging amino acids. Also described is determination of structure activity relationships using kinetic technique using in vivo panning. Design of targeting compounds with appropriate space/charge/hydrophobicity conformations can be based on the results of these kinetic structure activity relationship (kSAR) determinations. In addition, compositions resulting from this methodology are useful in treating neuroinflammatory and lung disorders, and disorders involving disseminated blood cell coagulopathy interactions with vascular endothelium.

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