



美迪西多肽药物研发服务平台

美迪西多肽药物研发服务平台：更智能、更高效

AI

 选择美迪西的理由：

- 75+ 肽类药物专家

- mRNA展示技术

DNA

- 经验丰富

- 创新环化技术

S-S

Click

DBX

- AI肽类药物设计 + 筛选

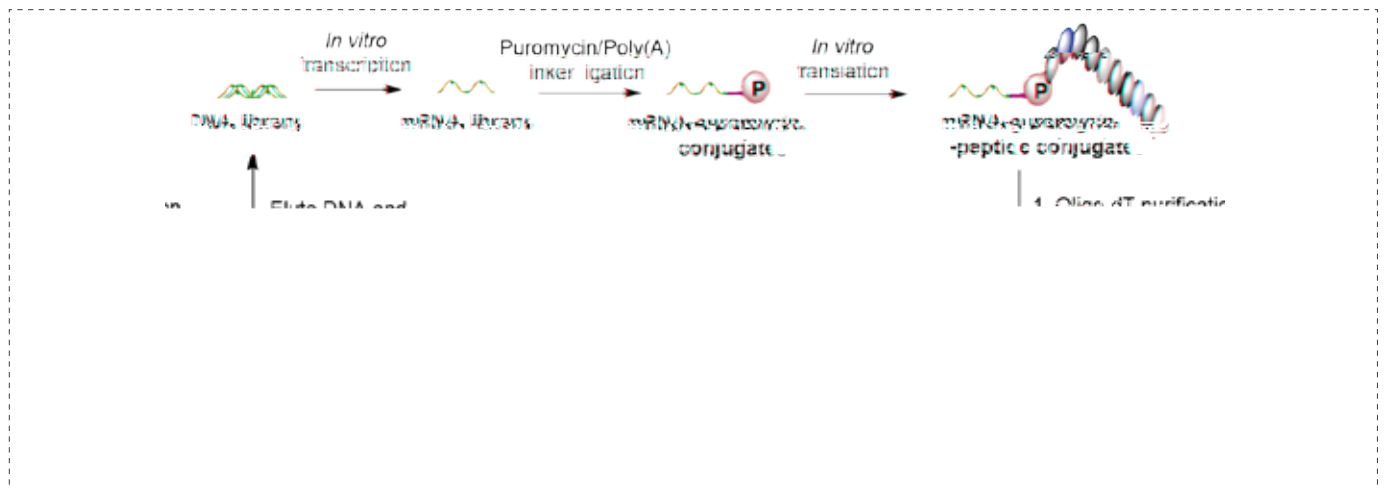
- mRNA
-
- AI

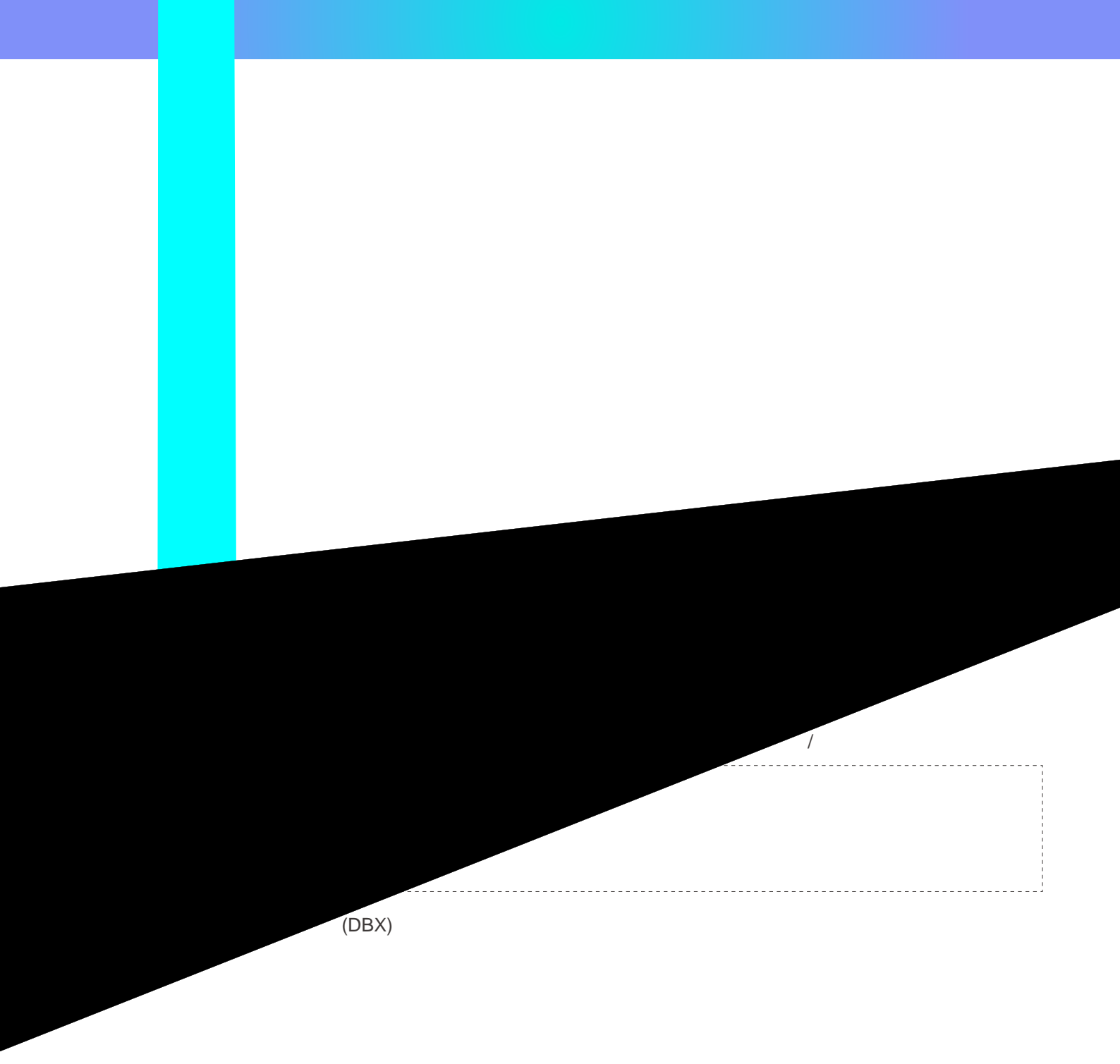
核心服务

mRNA 展示技术

mRNA / mRNA- mRNA (mRNA) (/)

美迪西应用此技术构建规模超过 10^{13} 的mRNA展示库, 期间可以通过无细胞PURE体外翻译系统将非天然氨





(DBX)



基于计算的虚拟筛选 (*In Silico* Virtual Screening)

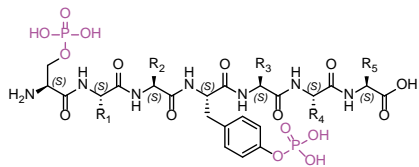
- 基于结构的对接

Rosetta AutoDock CrankPep (ADCP) HADDOCK -

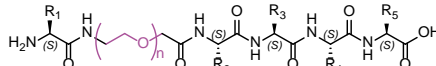
- AlphaFold 集成

AF-Multimer - MD

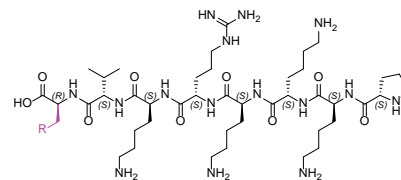
固相和液相合成



Phospho-peptide



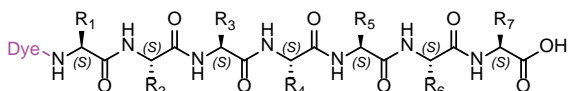
PEGylated peptide



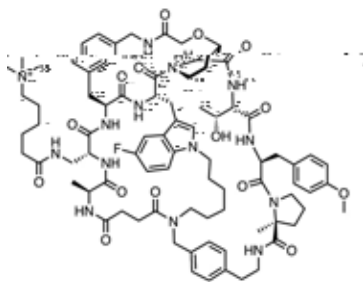
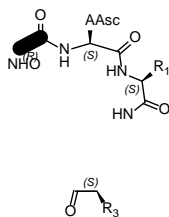
R = SH or aliphatic amine, or other groups used for modification

H-(Aib)-EGTFTSDVSSYLEGQAA-(C18)

Modified long chain-peptide (Semaglutide Analogs)



Dye modified peptide



放大

mg 100 g

HPLC

[1]. Hayden Peacock, et al. Discovery of De Novo Macrocyclic Peptides by Messenger RNA Display. Trends Pharmacol Sci.2021 May;42(5):385-397. doi: 10.1016/j.tips.2021.02.004.