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## SYNTHESIS OF ALANYL AND HOMOALANYL PEPTIDE NUCLEIC ACIDS AS A MODEL SYSTEM FOR BASE PAIRING AND USE AS A CATALYST

Jinhua Zhang

Synthesis of alanyl and homoalanyl peptide nucleic acids as a model system for base pairing and use as a catalyst

Cuvillier Verlag Sep 2004, 2004. Taschenbuch. Condition: Neu. Neuware - Alanyl-Peptidnukleinsäuren (Alanyl-PNAs) sind Oligopeptide bestehend aus Alanin mit alternierender Konfiguration, in denen Nucleobasen über das -C-Atom am Rückgrat angebracht sind. Aufgrund des regelmäßigen Peptidrückgrats mit wechselnder Konfiguration der Aminosäuren, sind die kovalent an der Seitenkette verknüpften Nucleobasen auf derselben Seite des Peptidrückgrates angeordnet. Sie bilden lineare Duplexe durch Basenpaarung, wobei der Abstand benachbarter Basenpaare in Alanyl-PNA mit -Faltblatt Struktur fast dem Abstand stapelnder Basenpaare in B-DNA entspricht. Homoalanyl-PNA wird formal..

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- Authored by Jinhua Zhang
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