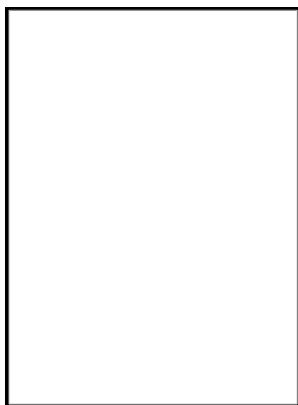


# Synthetic studies towards a novel DNA targeted cross-linking agent based on DC-81 and CC-1065

University of Portsmouth, School of Pharmacy and Biomedical Sciences - A Molecular Model for DNA Cross



Description: -

-Synthetic studies towards a novel DNA targeted cross-linking agent based on DC-81 and CC-1065

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## Rational design of a highly efficient irreversible DNA interstrand cross

The original structure of auranthine 81, first reported in 1986, is significantly different from the new structure 82, which is a quinazolino benzodiazepinedione with an acyclic aliphatic nitrile moiety.

## Small hybrid heteroaromatics: resourceful biological tools in cancer research

Removal is under standard conditions. Amongst them, conjugates 69—74 are found to bind in the minor groove with improved affinity.

## DNA Cross

In some embodiments, the conjugates are designed to target tumour cells via their cell surface antigens.

## DNA vaccine

A variety of innovative semi-interpenetrating polymer network semi-IPN hydrogels consisting of saiecan and poly methacrylic acid PMAA are formed via free-radical polymerization for controlled drug delivery Fig

## Synthetic mRNA: Production, Introduction into Cells, and Physiological Consequences

Excess solvent was removed in vacuo to give a quantitative yield of pure material 71. Diaziquone AZQ, 2,5-bis- carboethoxyamino -3,6-diaziridiny-1,4-benzoquinone NSC 182986 is a synthetic bifunctional quinone derivative that alkylates and cross-links DNA during all phases of the cell cycle, resulting in a disruption of DNA function, cell cycle arrest, and apoptosis.

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