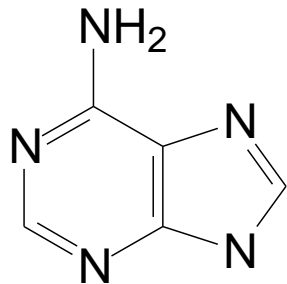


Αντικαρκινικά φάρμακα

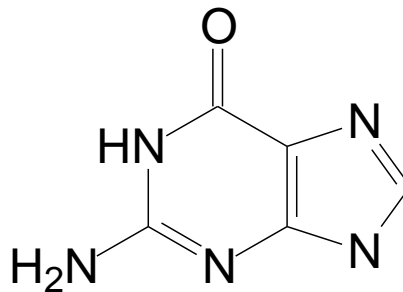
Αλληλεπίδραση με νουκλεϊνικά οξέα

Επίδραση επί ενζύμων

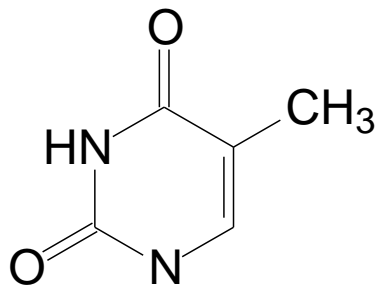
ΔΟΜΗ ΝΟΥΚΛΕΪΝΙΚΩΝ ΟΞΕΩΝ



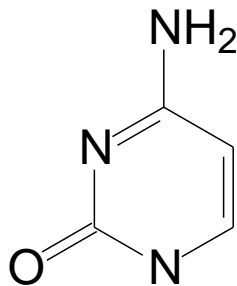
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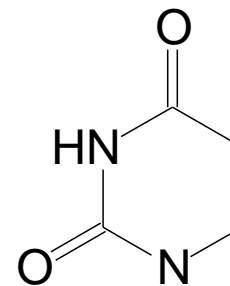
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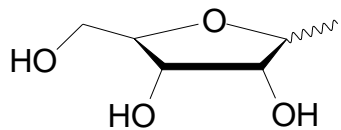
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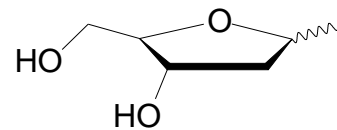
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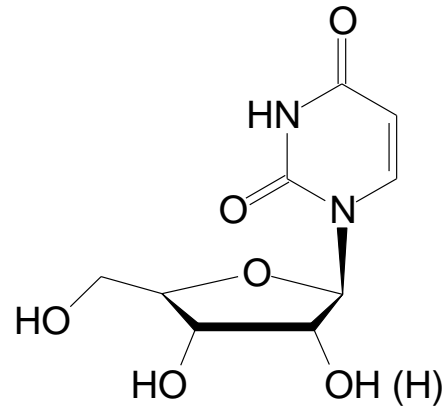
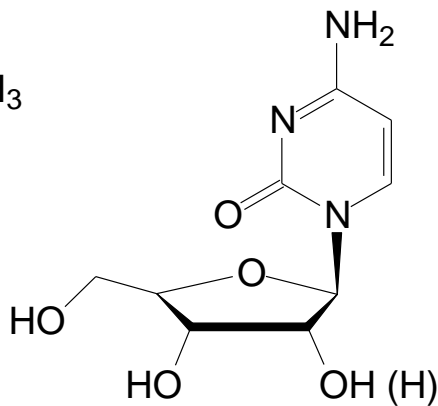
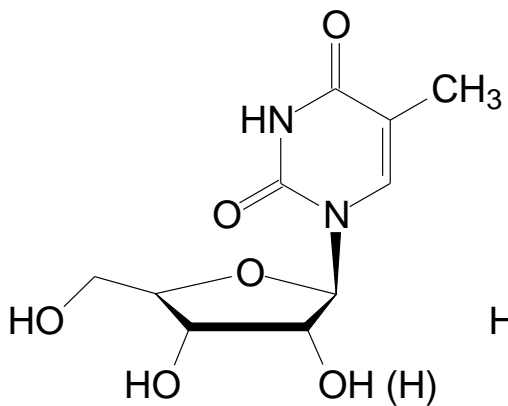
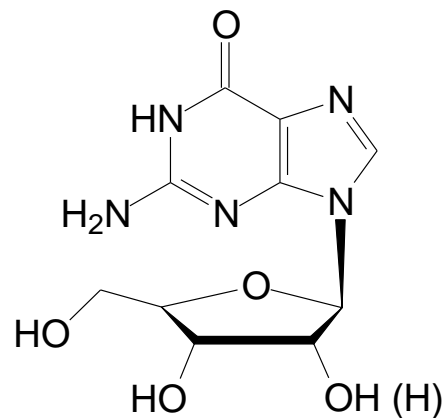
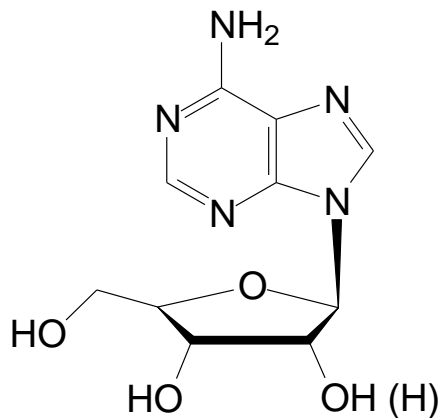
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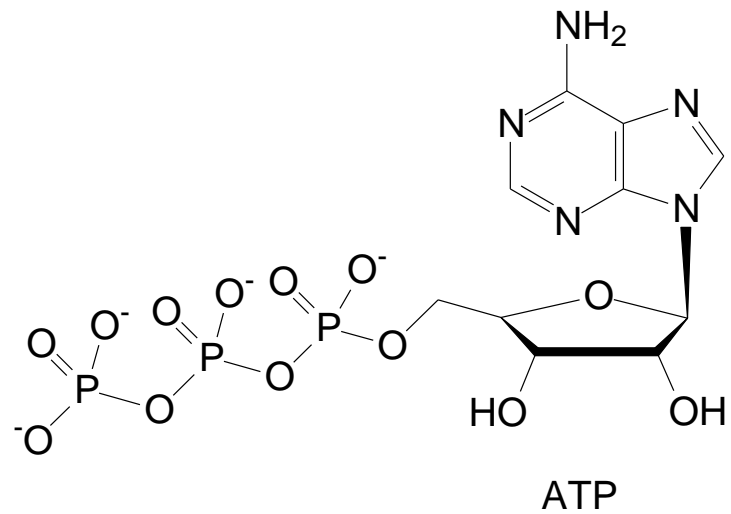
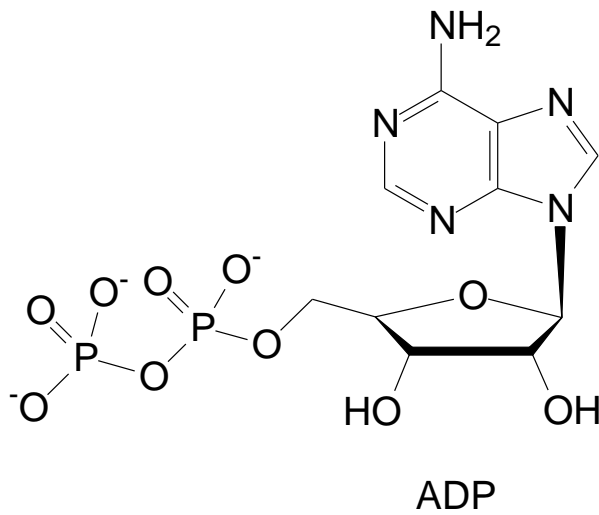
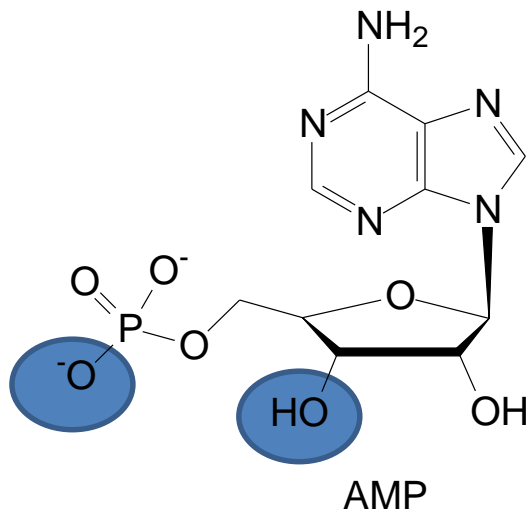


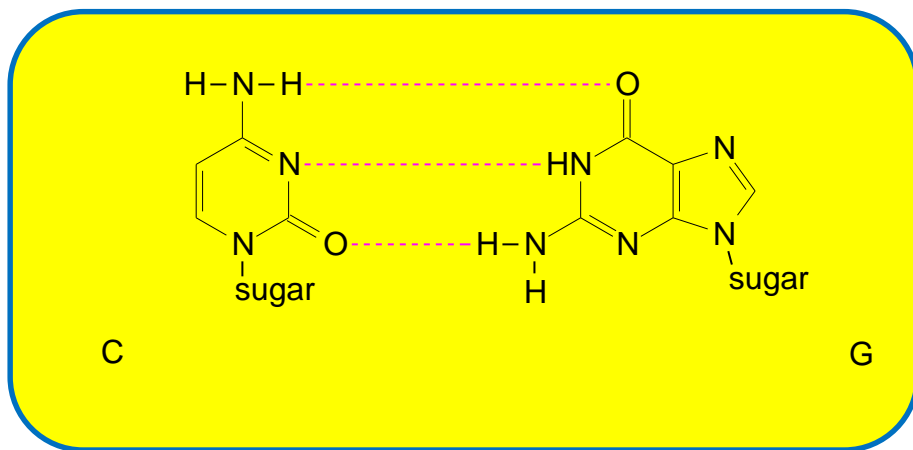
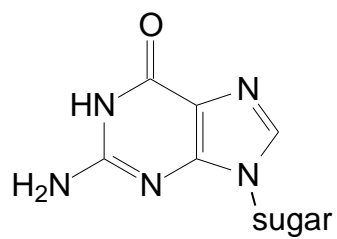
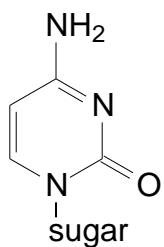
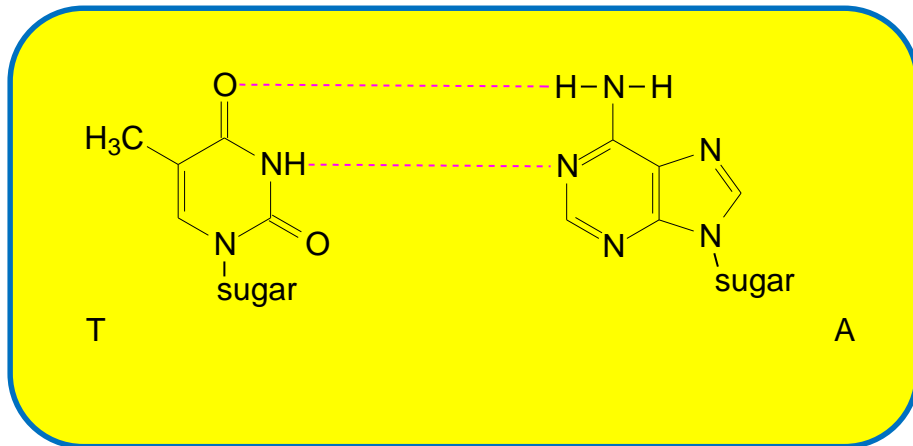
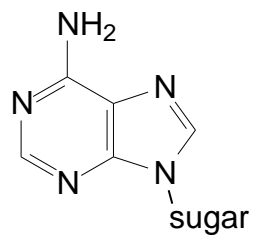
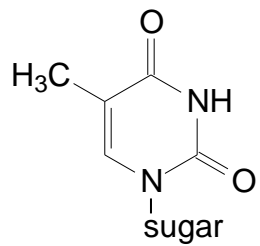
ribose



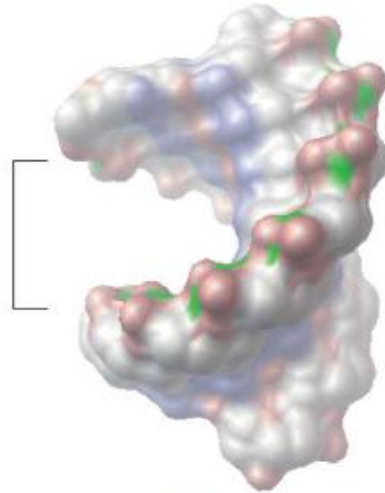
2-deoxyribose



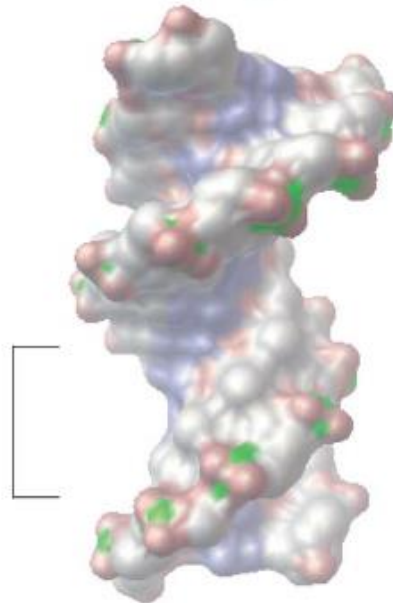




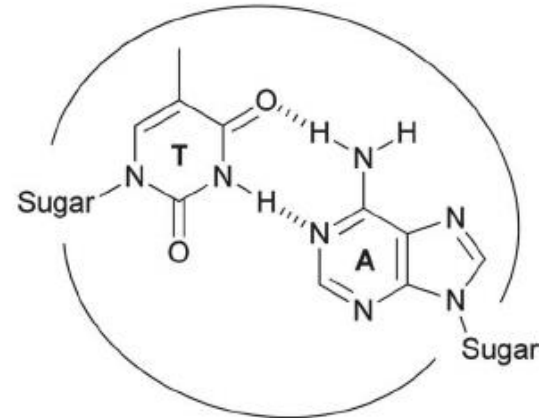
Major Groove (A-DNA)



Major Groove (B-DNA)

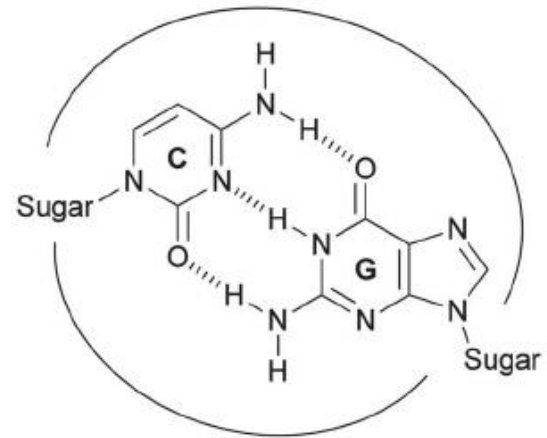


Major Groove

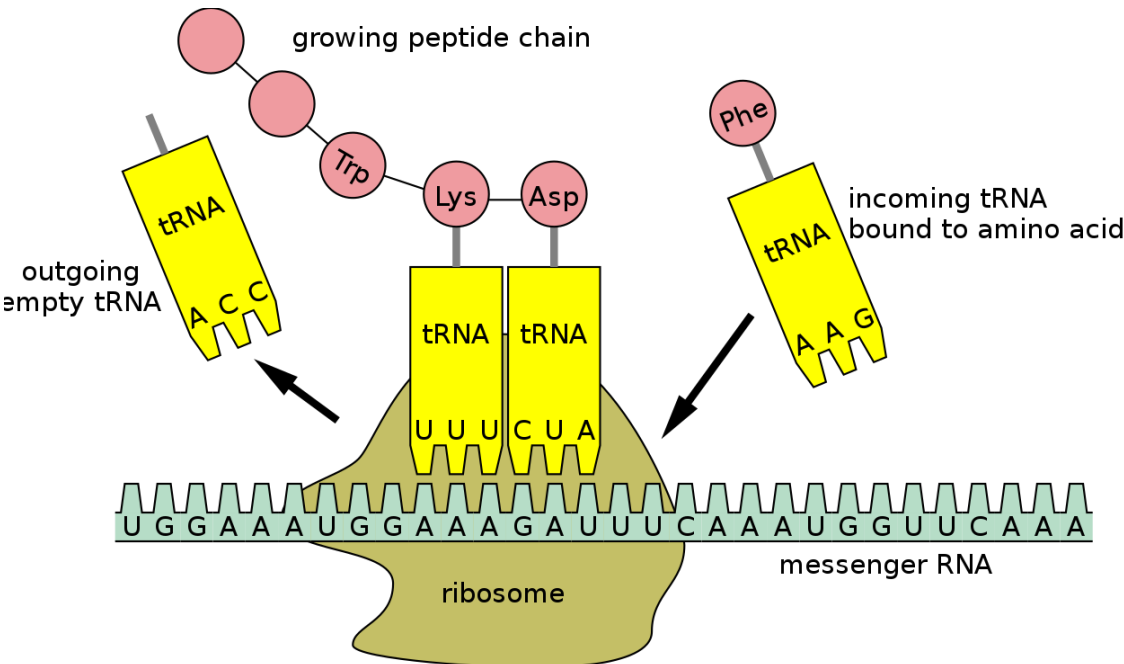
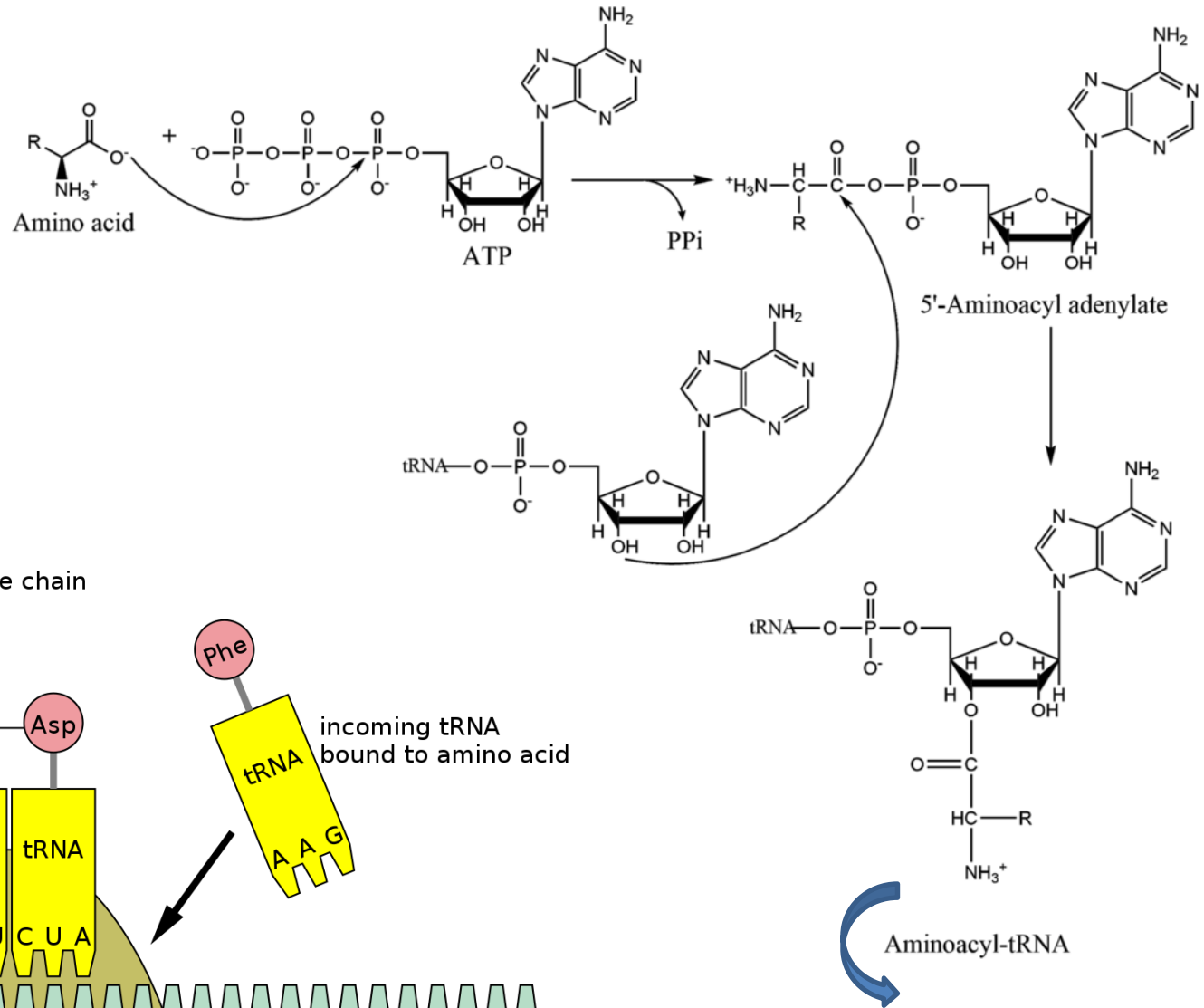


Minor Groove

Major Groove



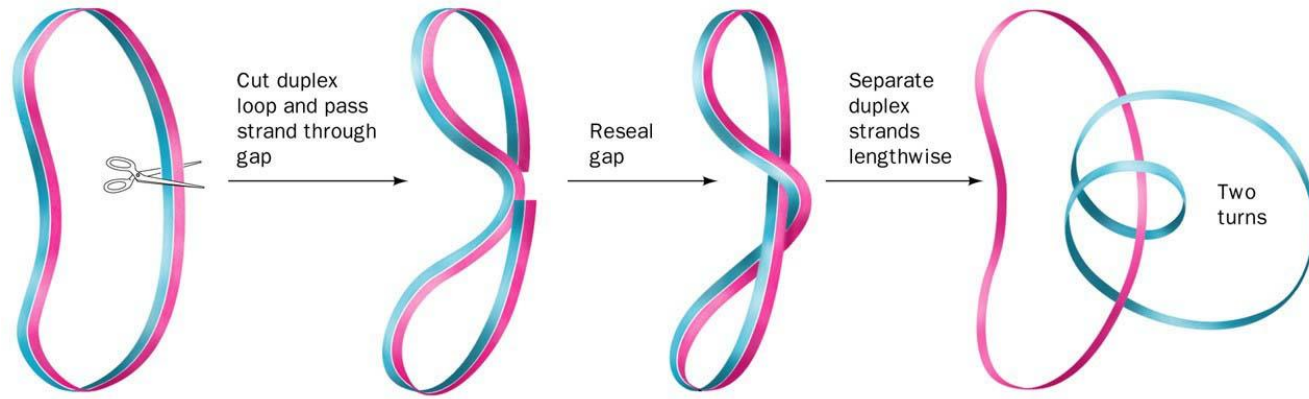
Minor Groove



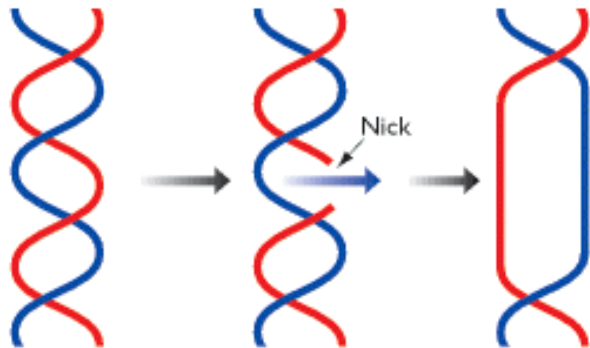
Peptide Synthesis

Η βιοσύνθεση πρωτεϊνών γίνεται από N-τελικό προς C-τελικό άκρο

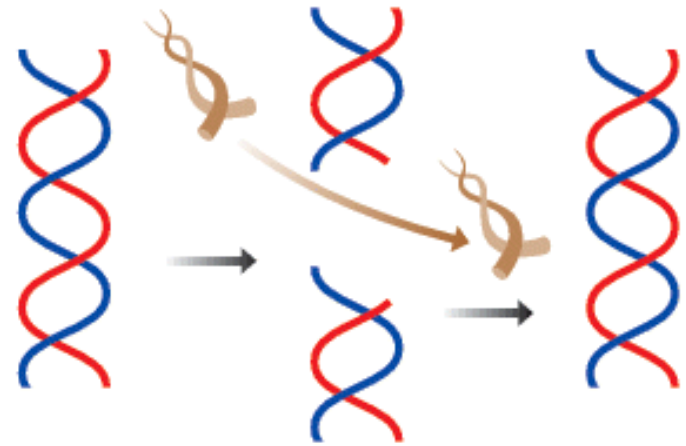
Τοποϊσομεράσες



(A) Type I



(B) Type II

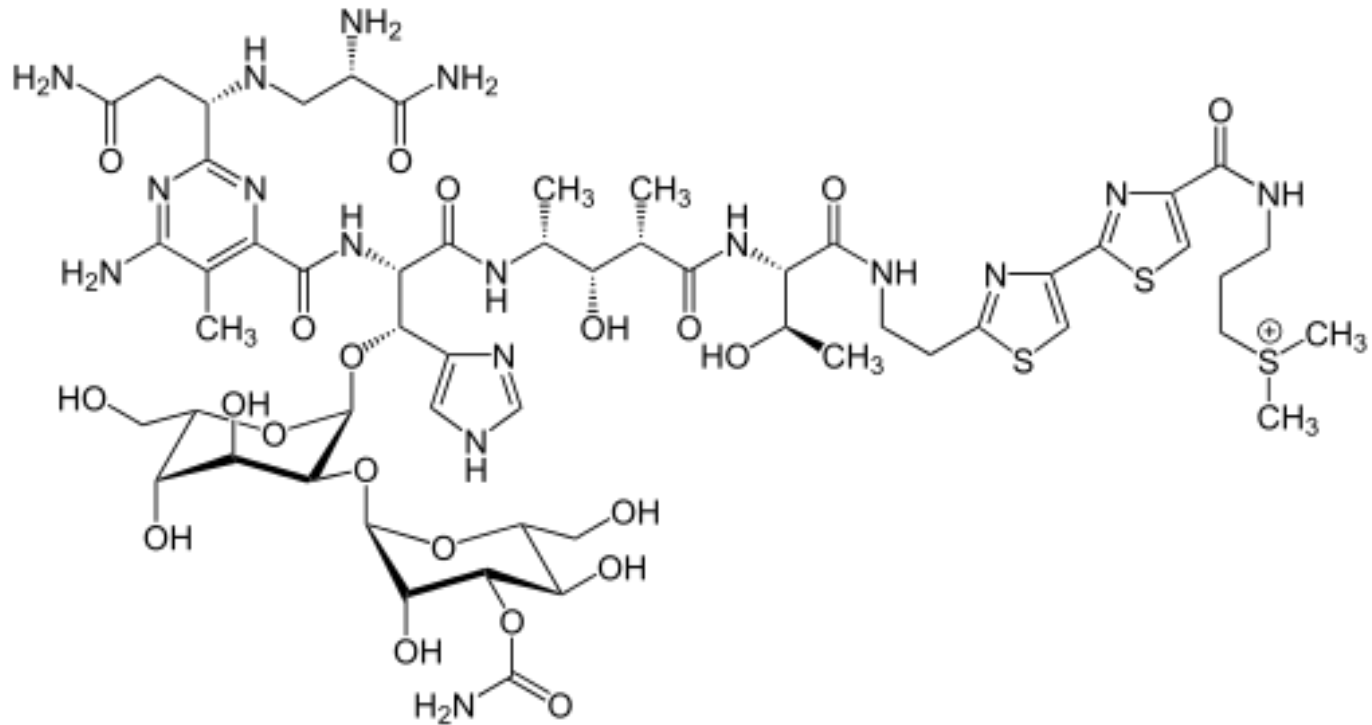


Αλληλεπίδραση DNA με μικρά μόρια

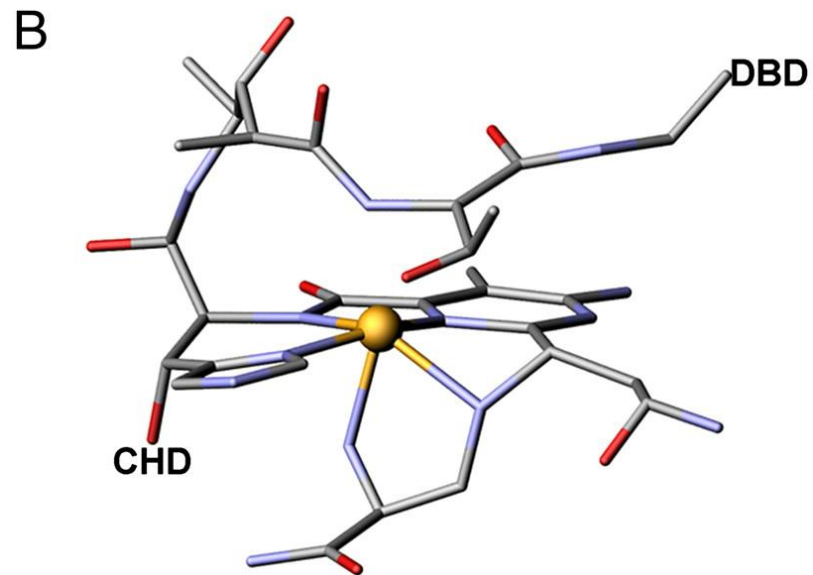
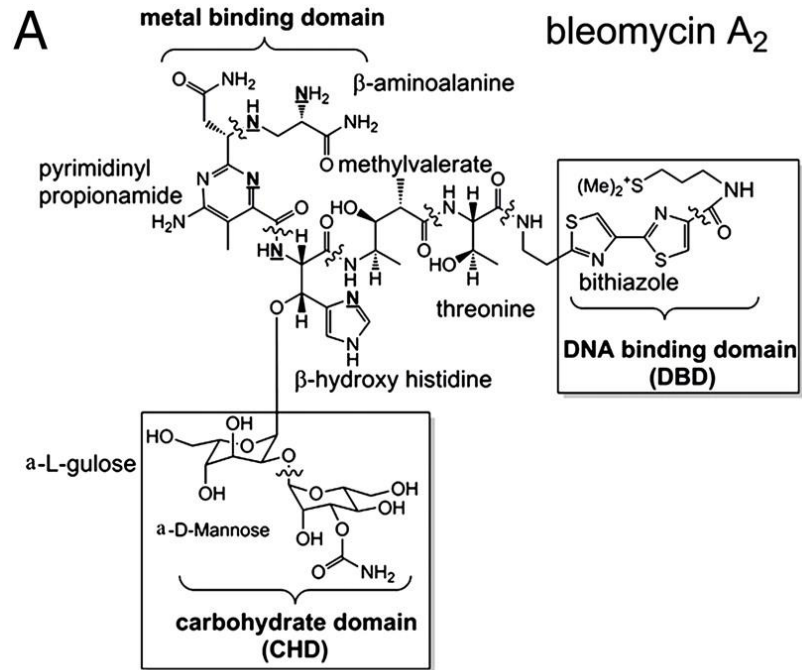
- Σχάση αλυσίδας, οξειδωτική ή υδρολυτική
- Σχηματισμός μη ομοιοπολικού δεσμού
- Σχηματισμός ομοιοπολικού δεσμού
- Ενδοπαρεμβολή
- Συνδυασμός των παραπάνω

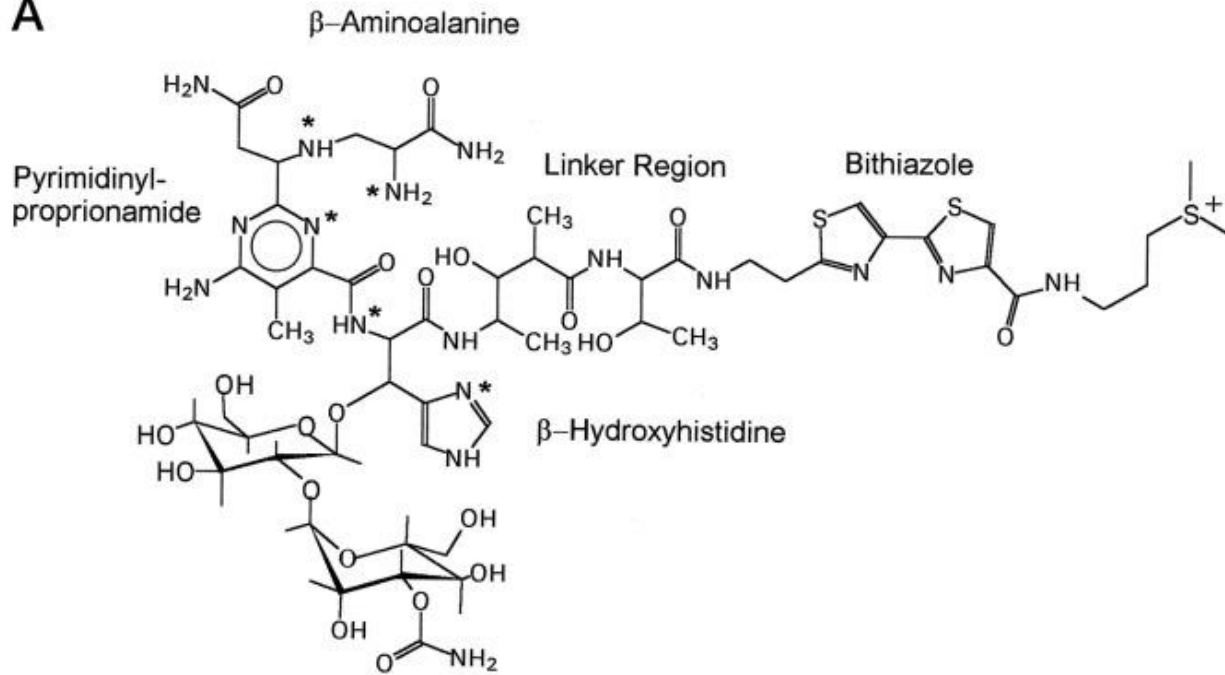
Μόρια που προκαλούν σχάση της αλυσίδας του DNA

Οξειδωτική σχάση της αλυσίδας

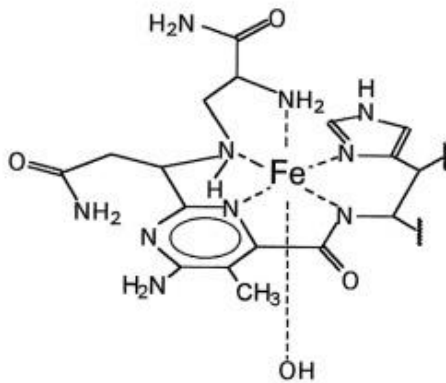


Bleomycin A2

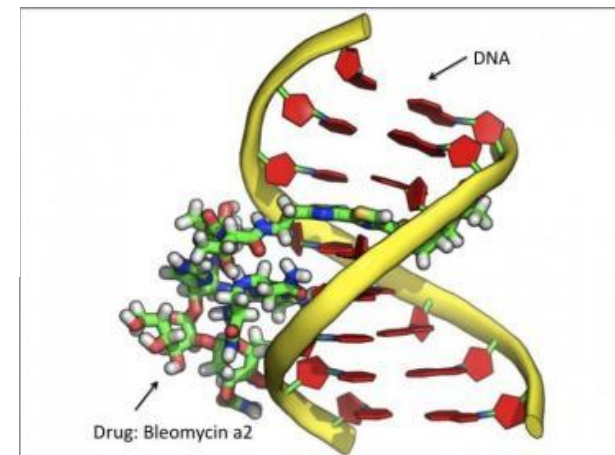


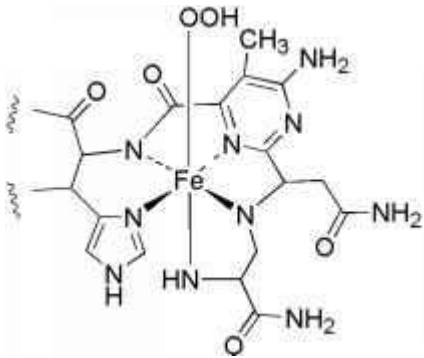
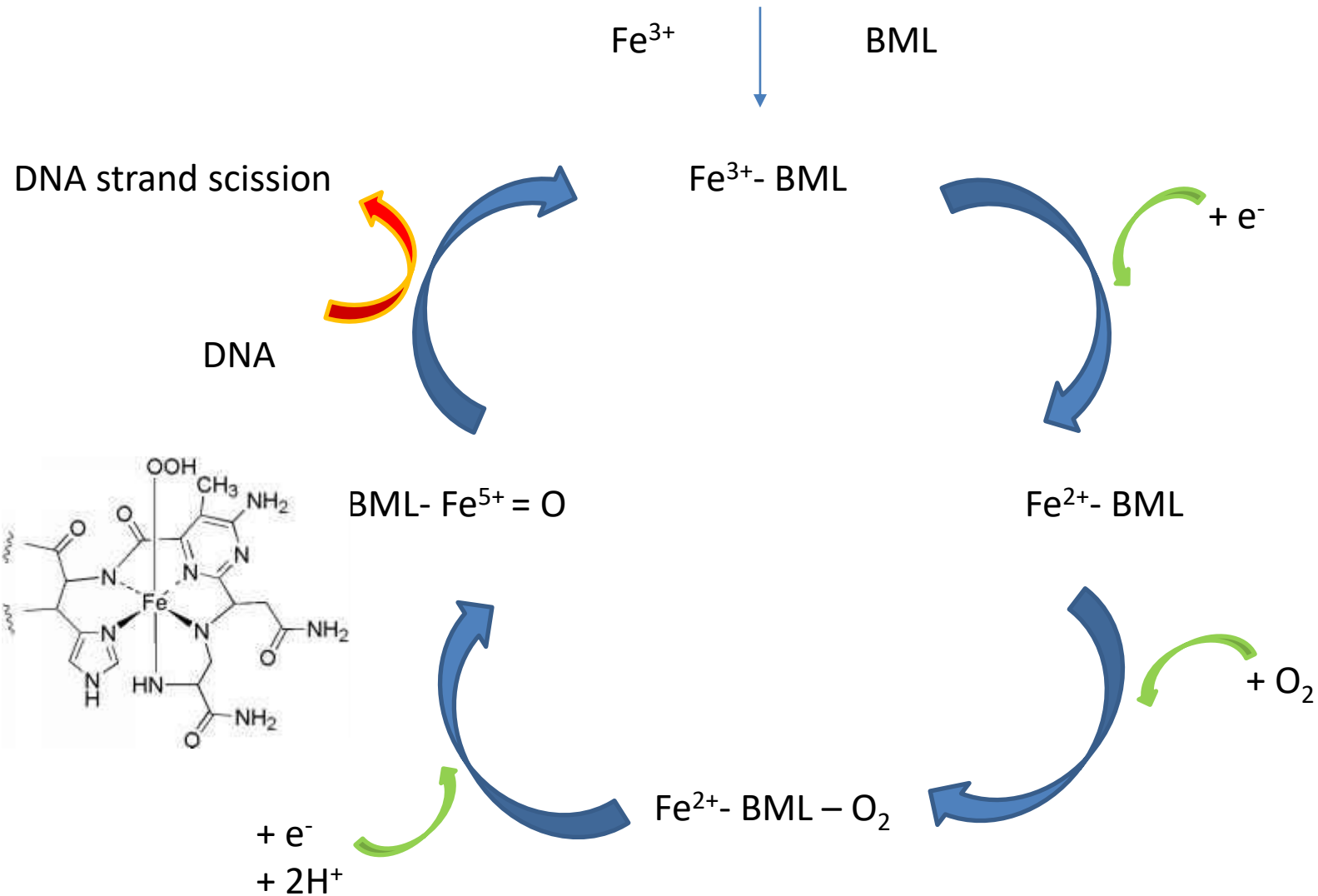
A

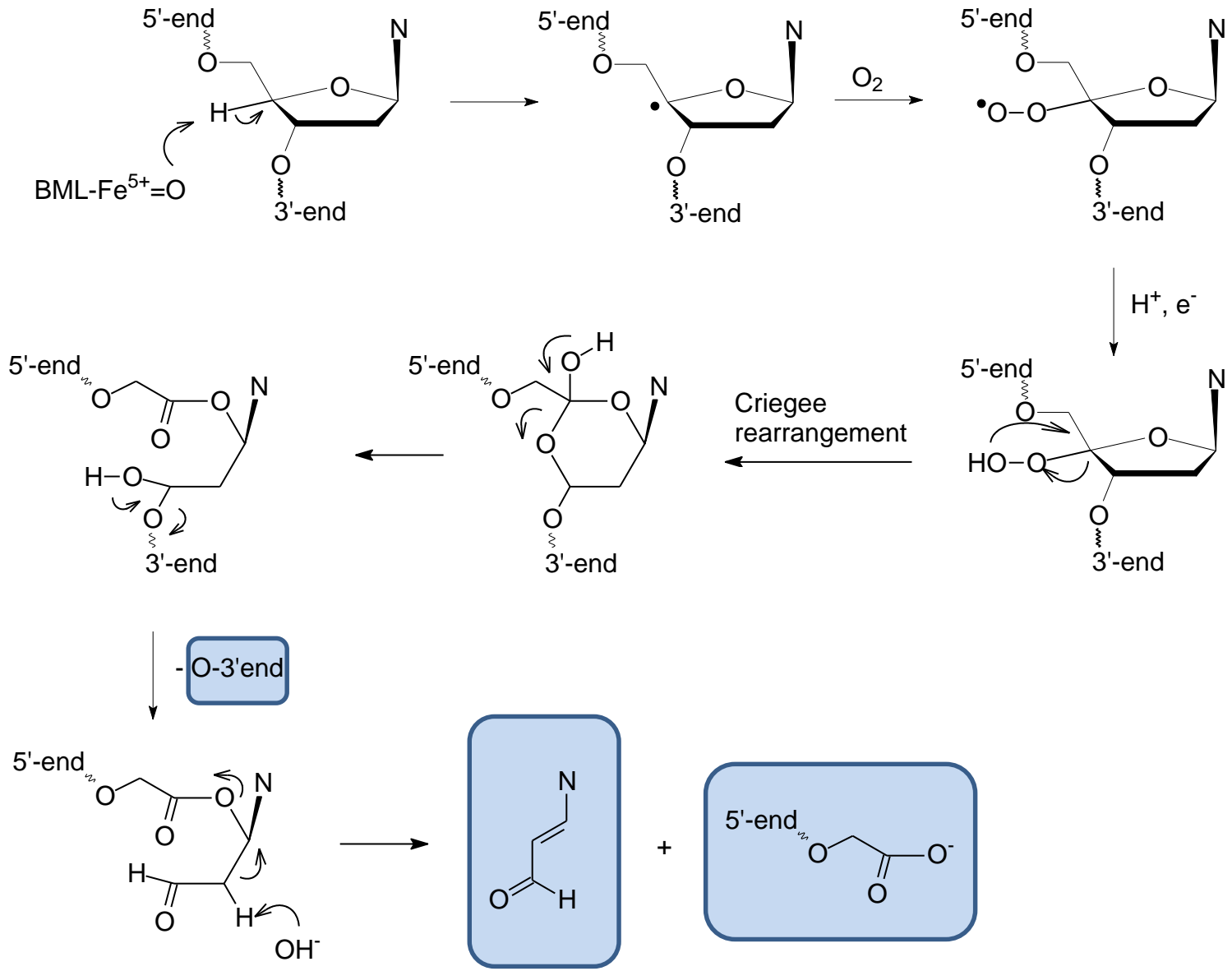
Bleomycin A2, *: σημεία συμπλοκοποίησης με Fe³⁺

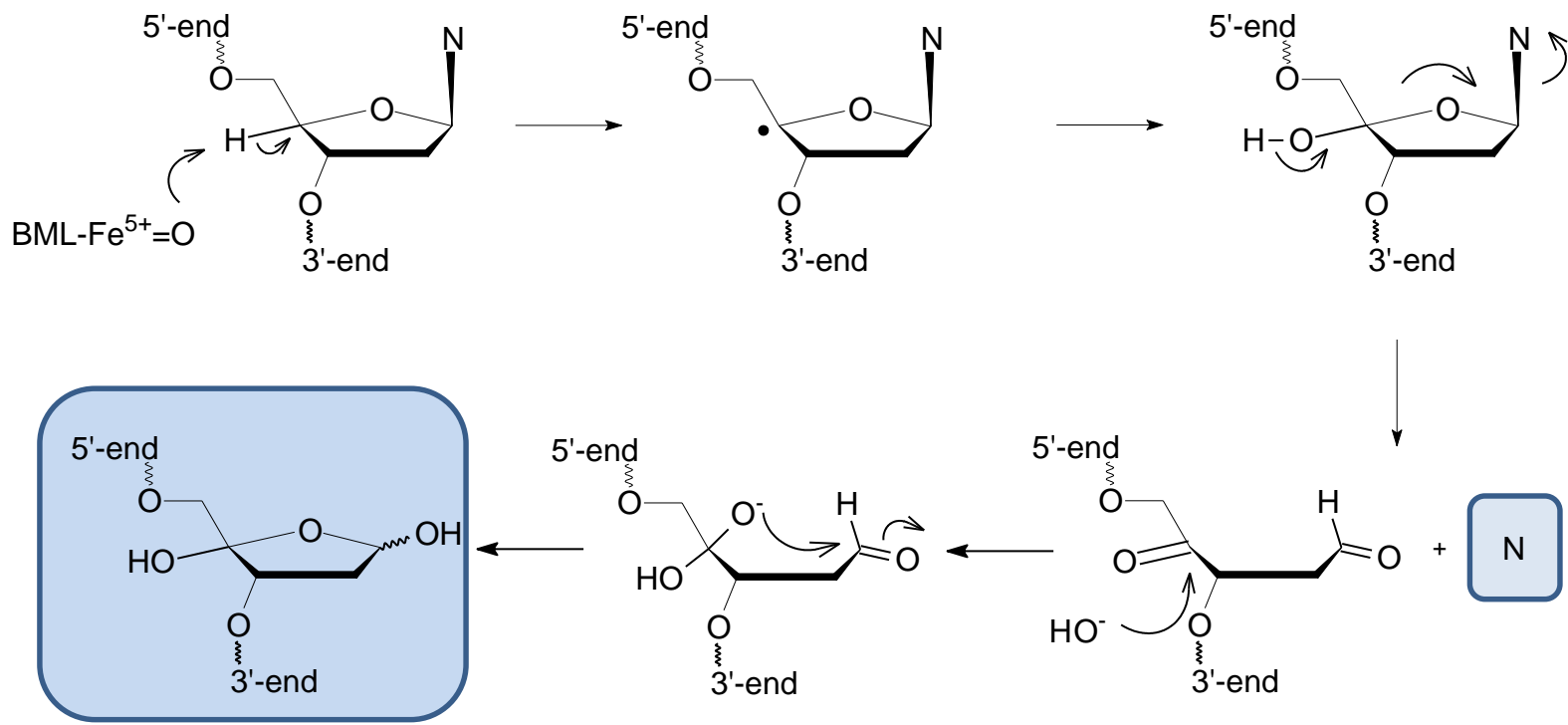
B

Προτίμηση για GC και GT αλληλουχίες

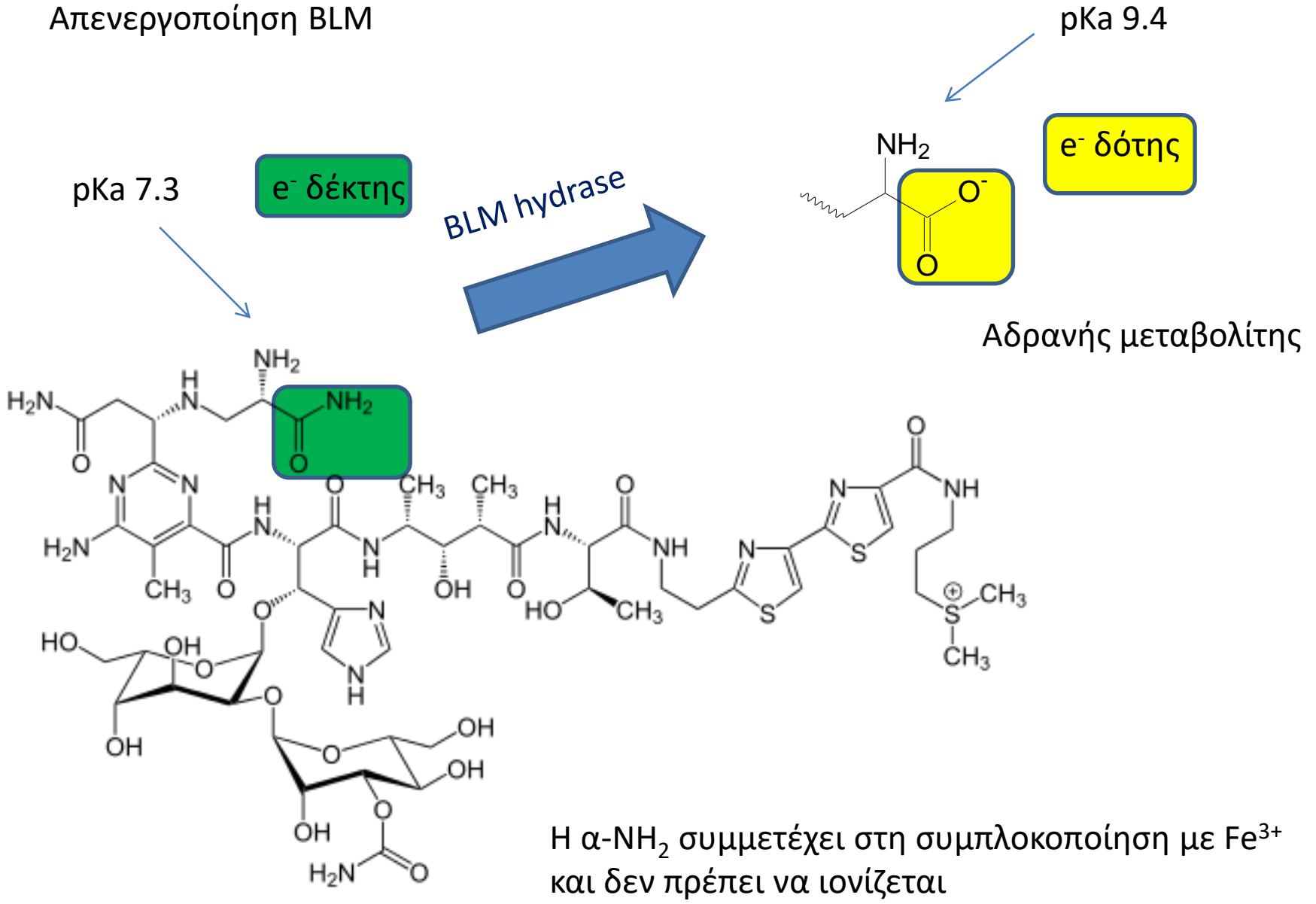




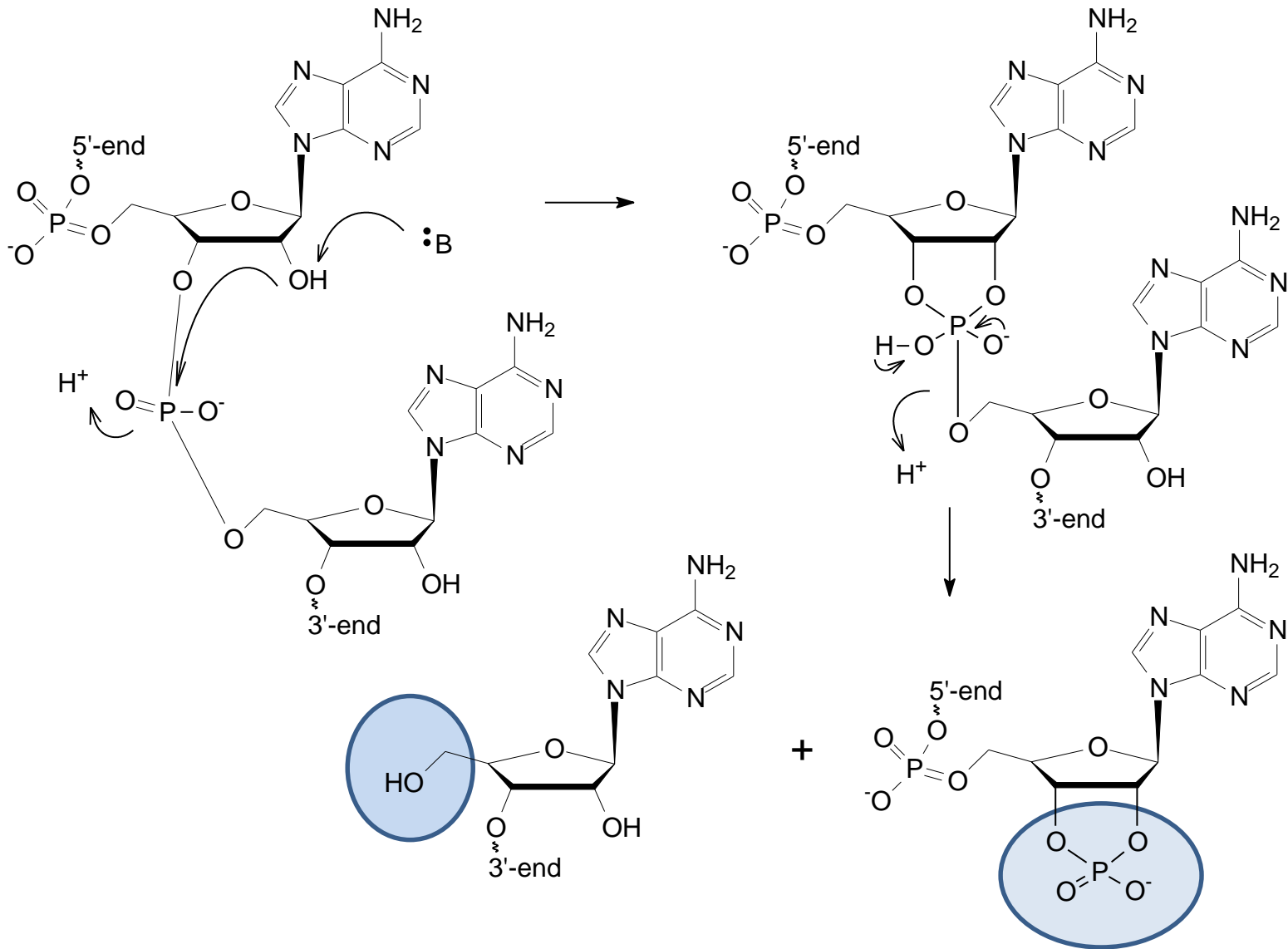




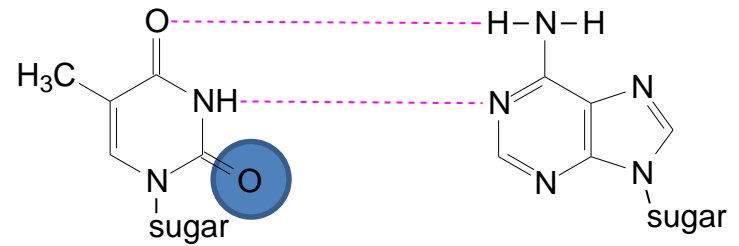
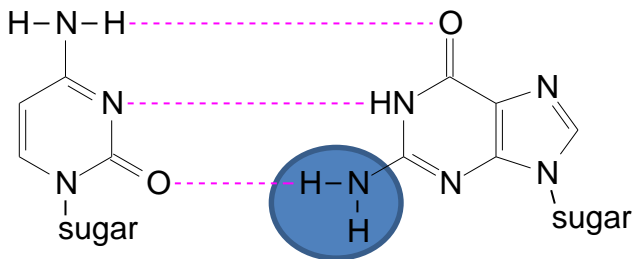
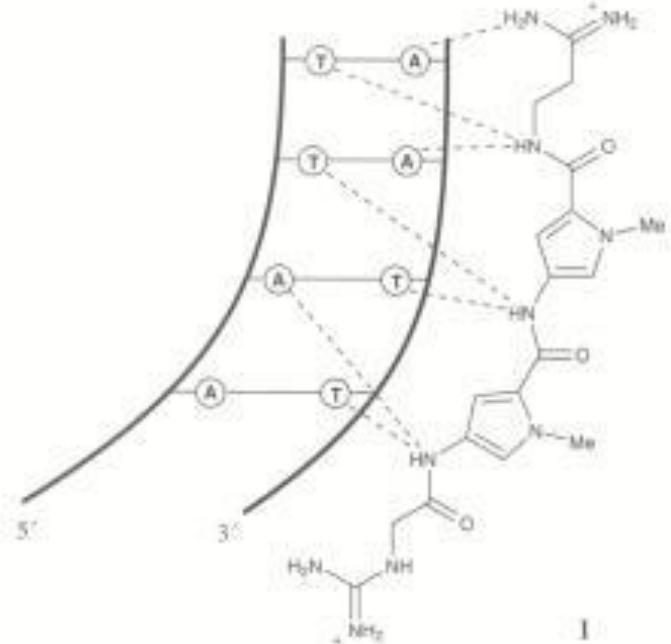
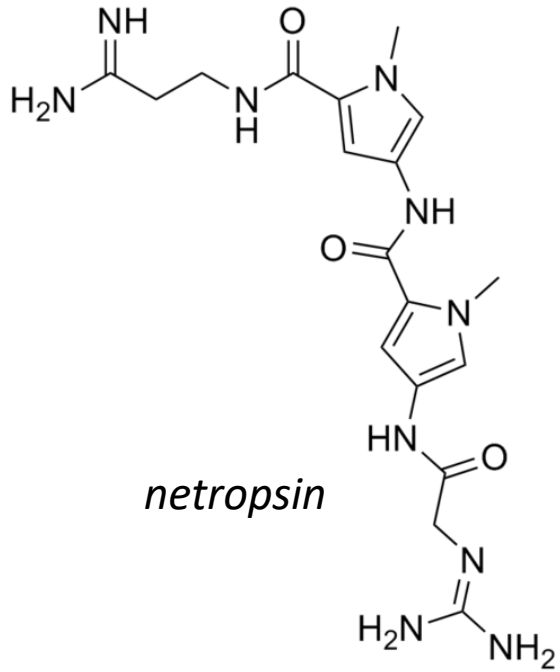
Απενεργοποίηση BLM



Υδρολυτική σχάση της αλυσίδας

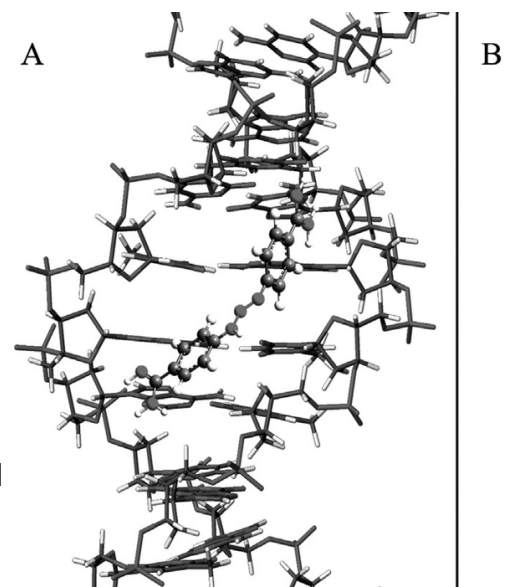
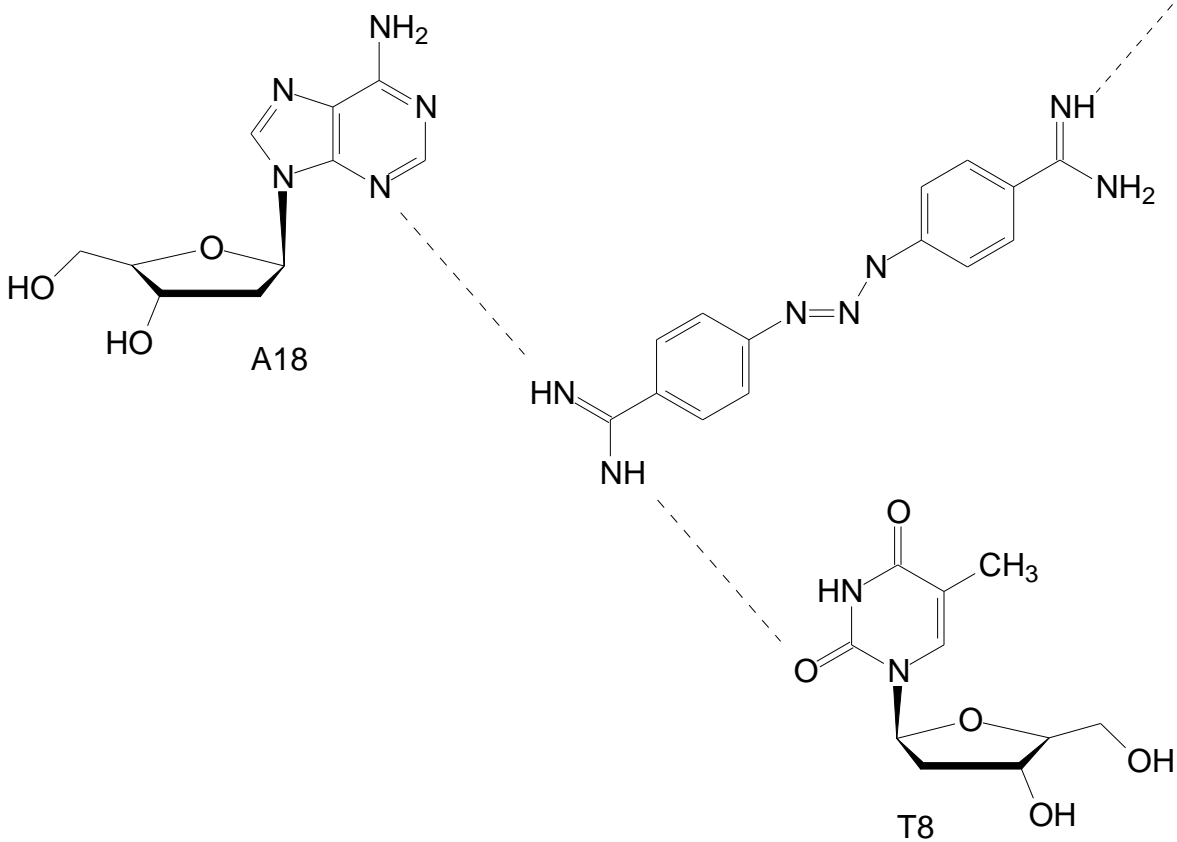
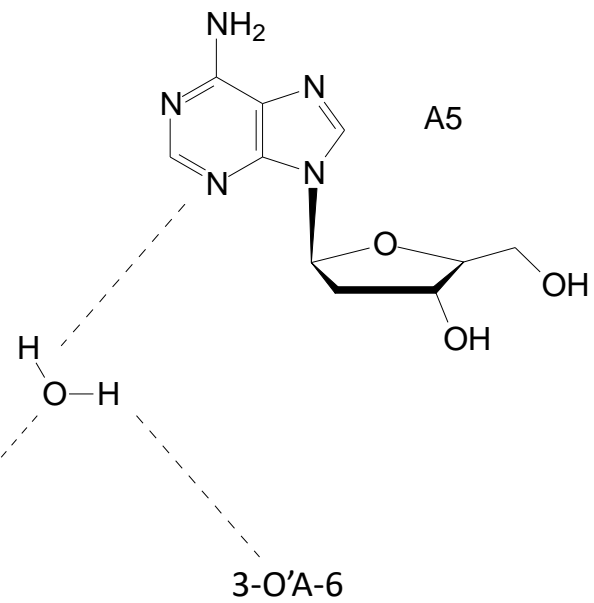
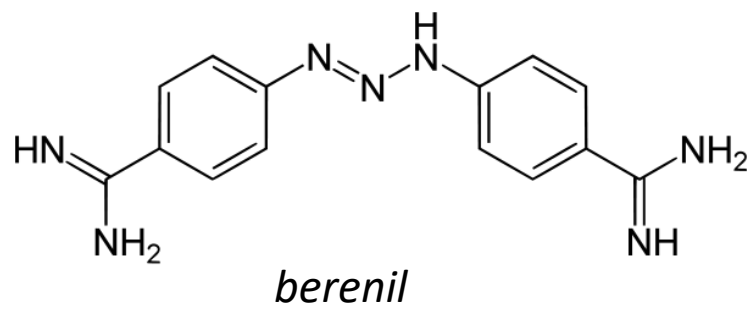


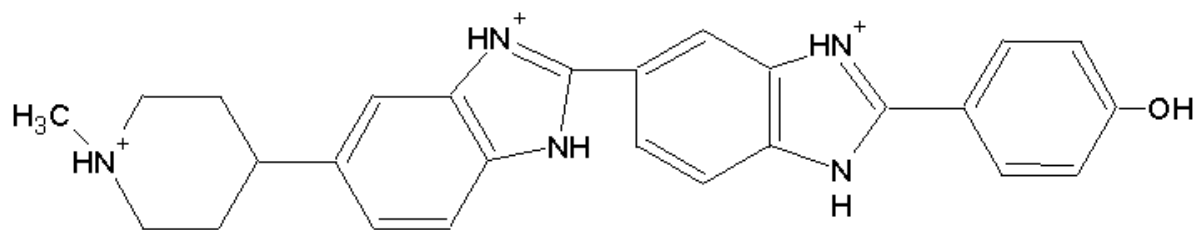
Μόρια που συνδέονται μέσω μη ομοιοπολικού δεσμού με το DNA



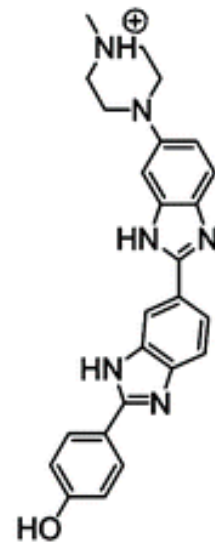
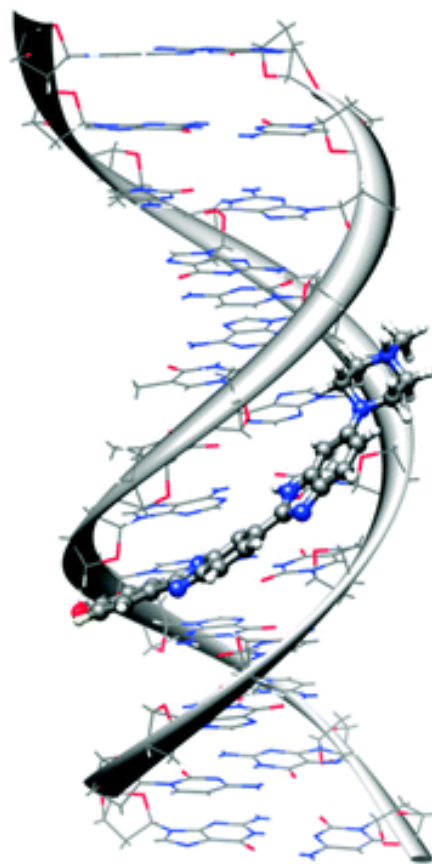
G

A

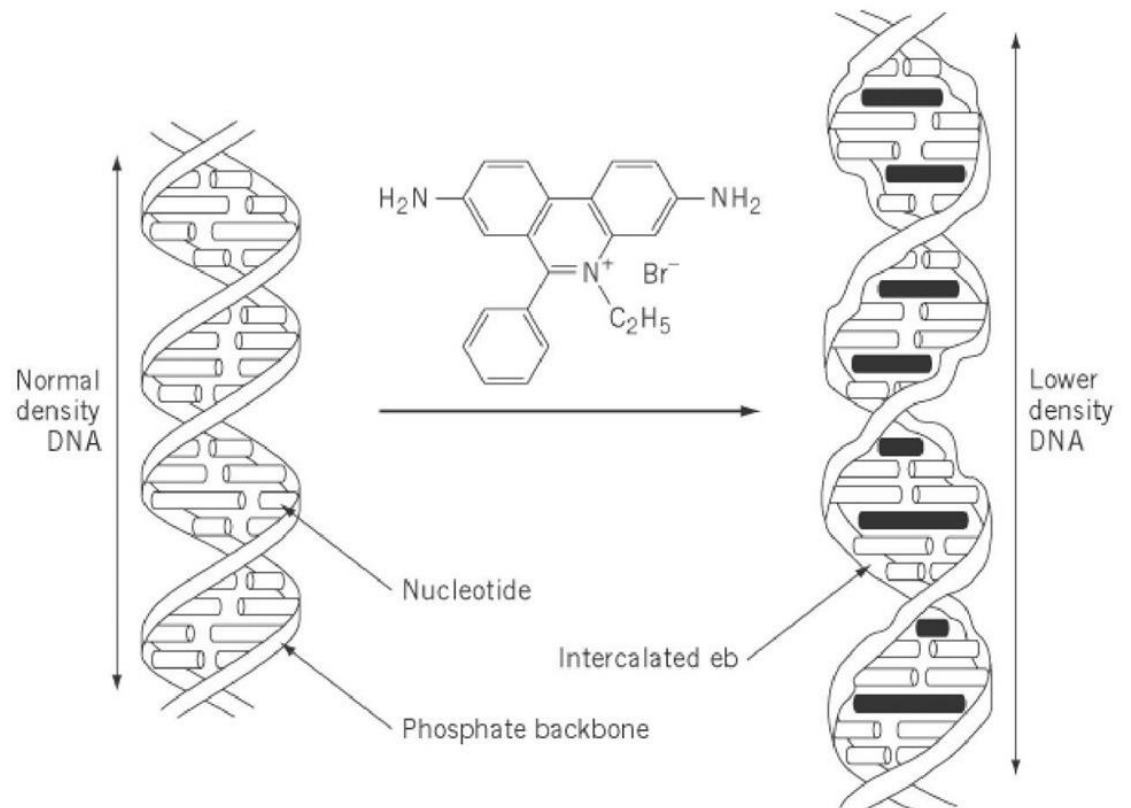
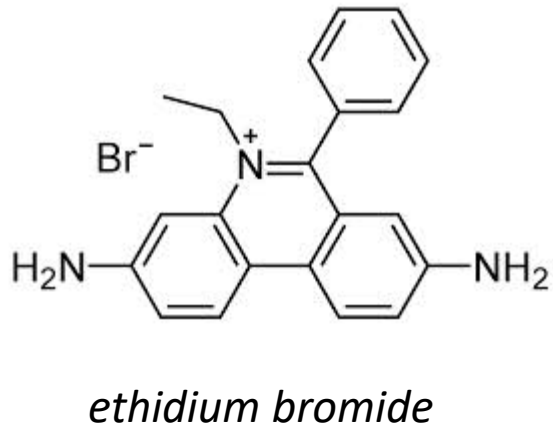


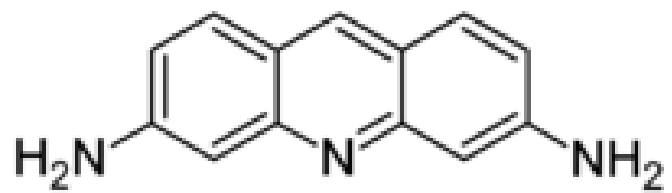


Hoechst 33258

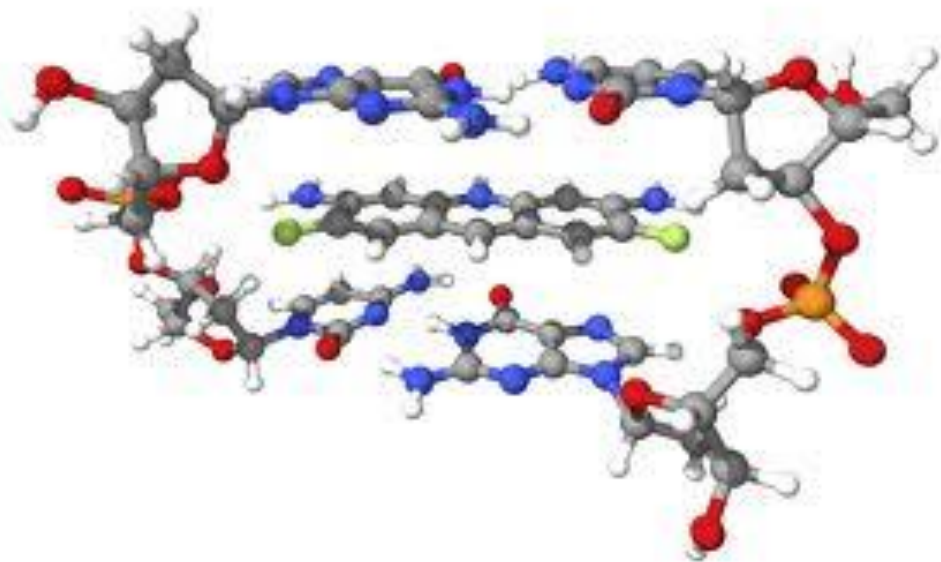
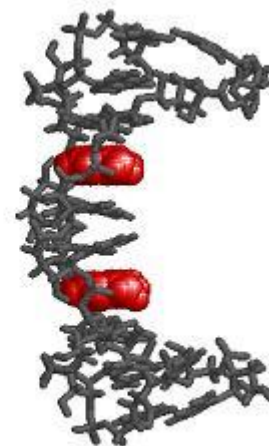
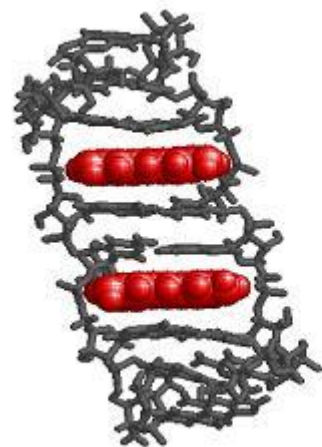


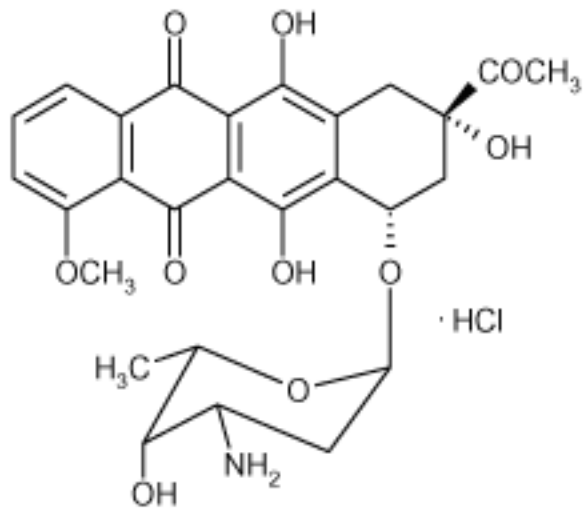
Μόρια που ενδοπαρεμβάλλονται στο DNA



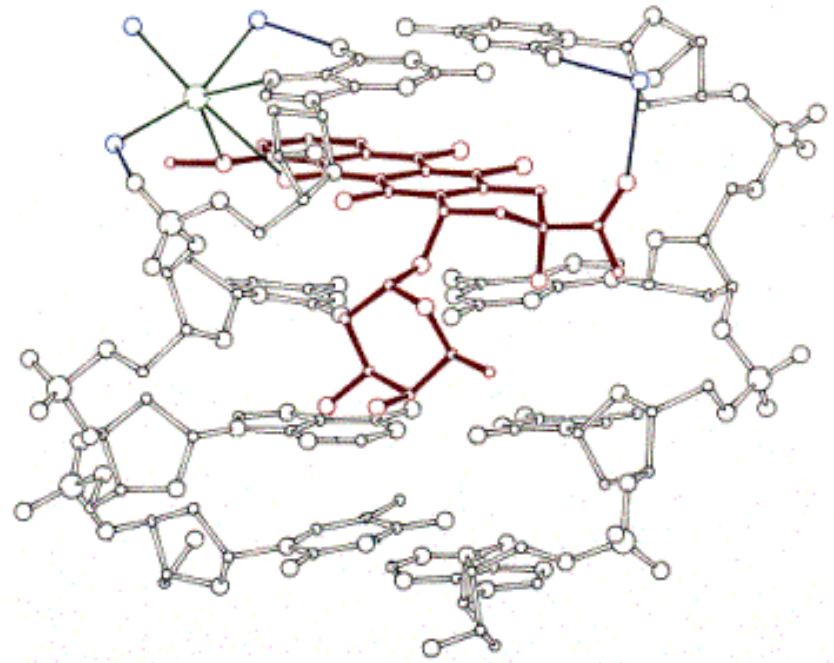


proflavin





daunomycin



Αλκυλιωτικά

