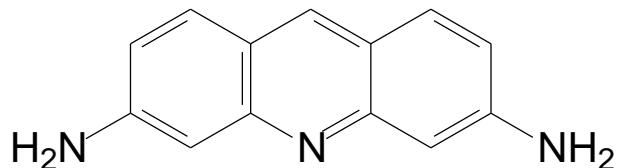
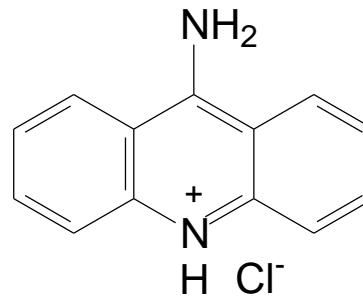


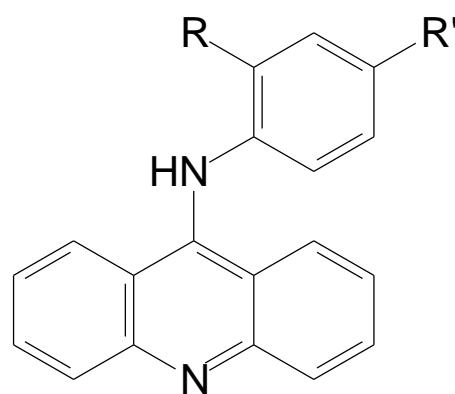
ΠΑΡΑΓΟΝΤΕΣ ΕΝΔΟΠΑΡΕΜΒΟΛΗΣ



proflavine



aminacrine



R R'

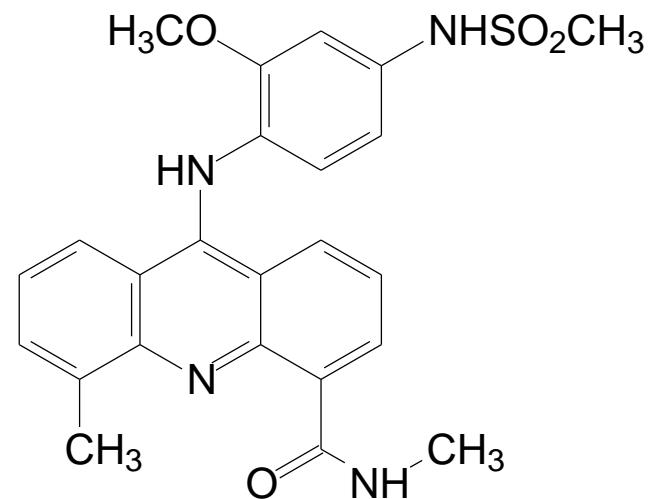
H

OCH_3

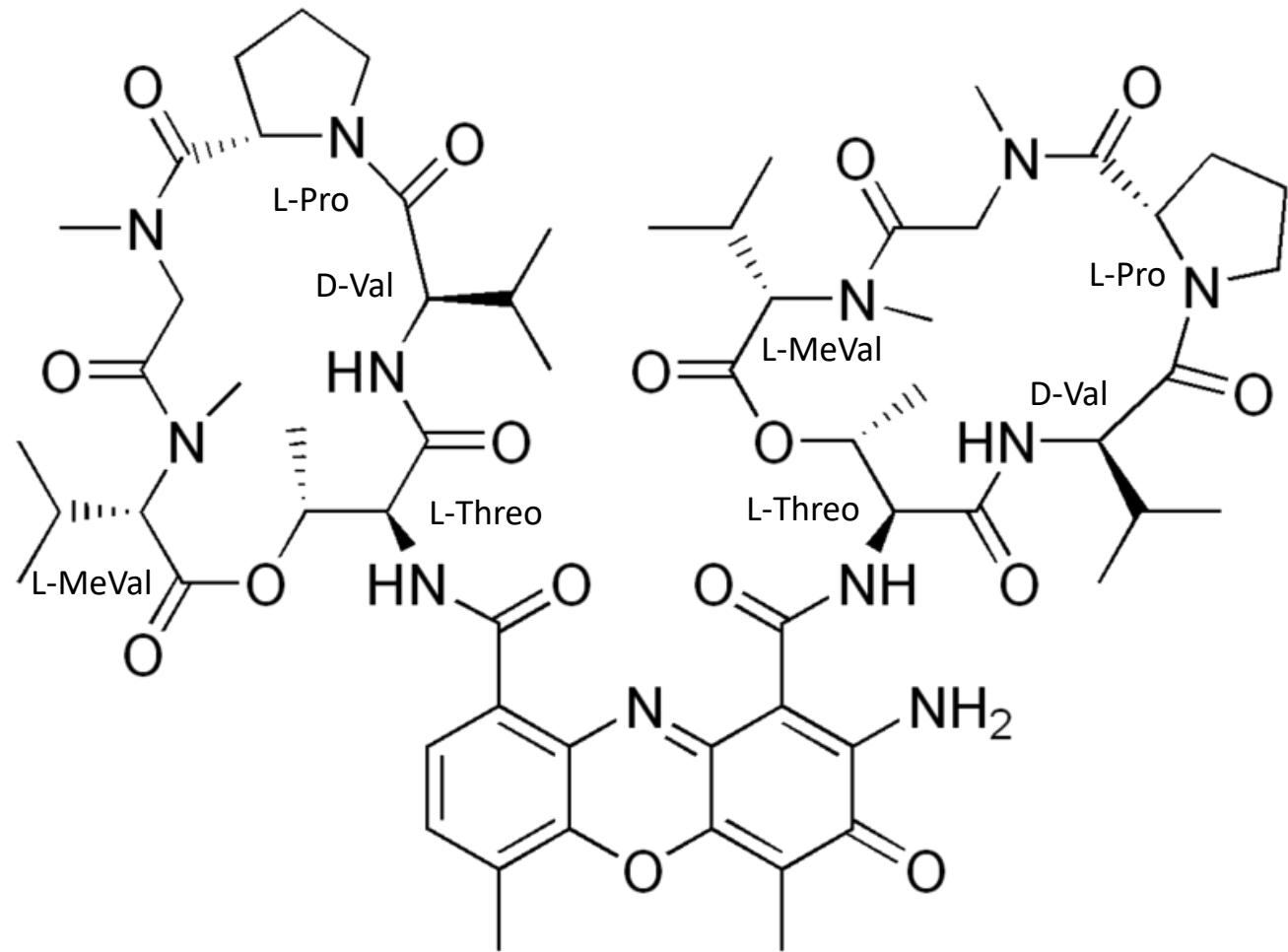
R'

NHSO_2CH_3

amsacrine

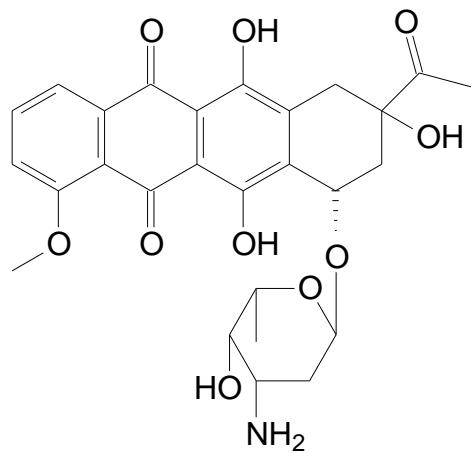


actinomycins

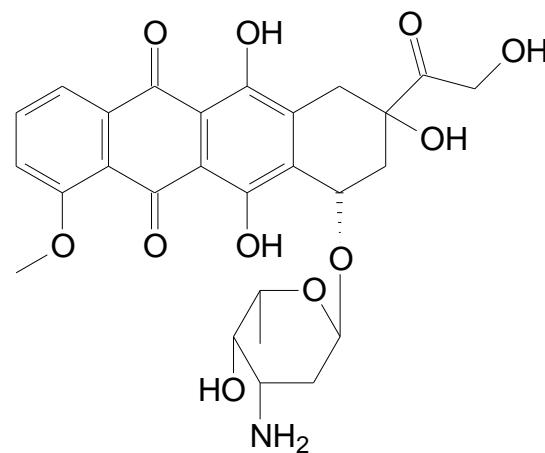


actinomycin D (dactinomycin)

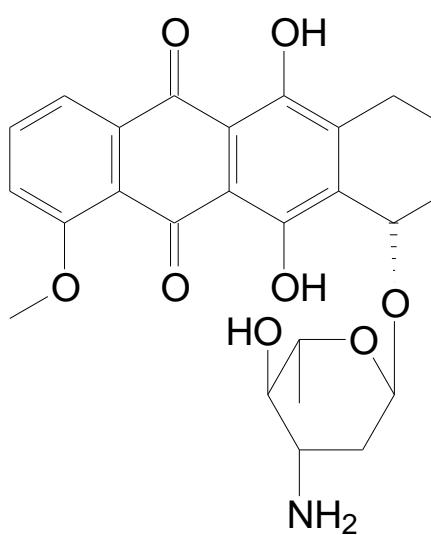
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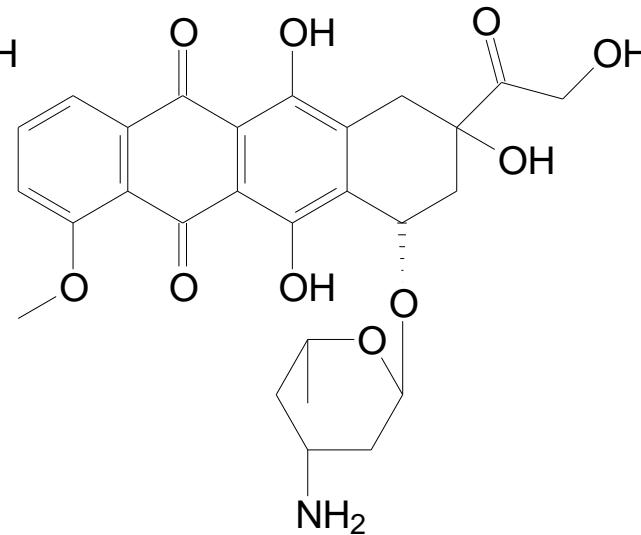
daunorubicin



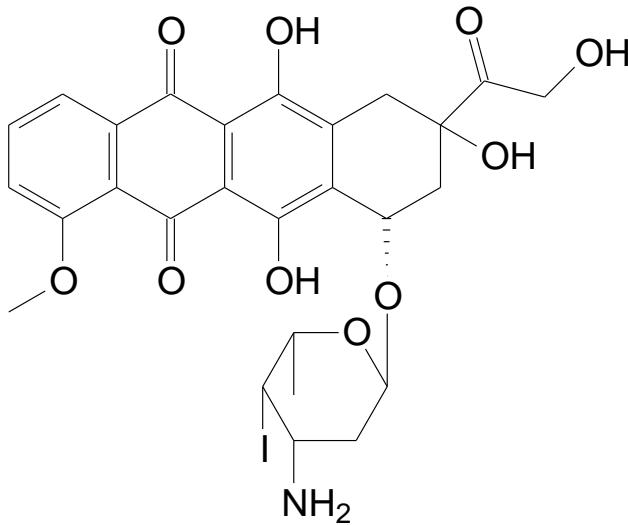
doxorubicin



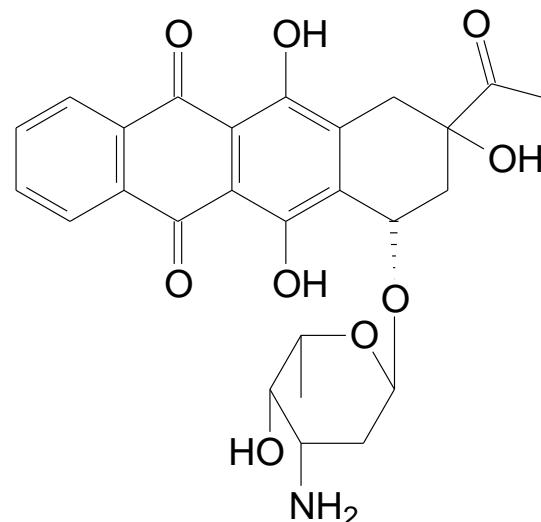
epirubicin



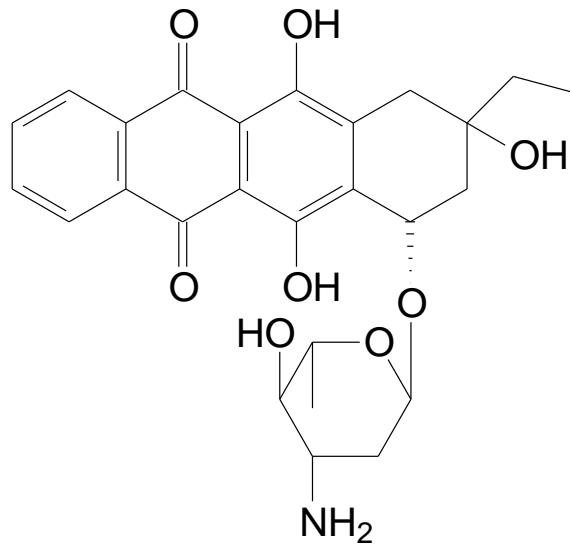
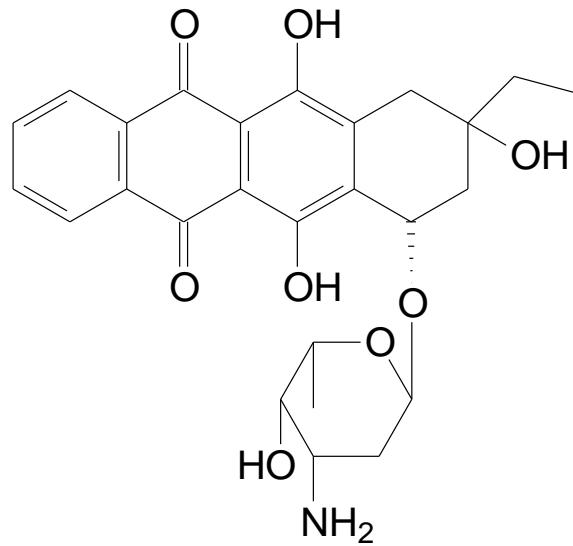
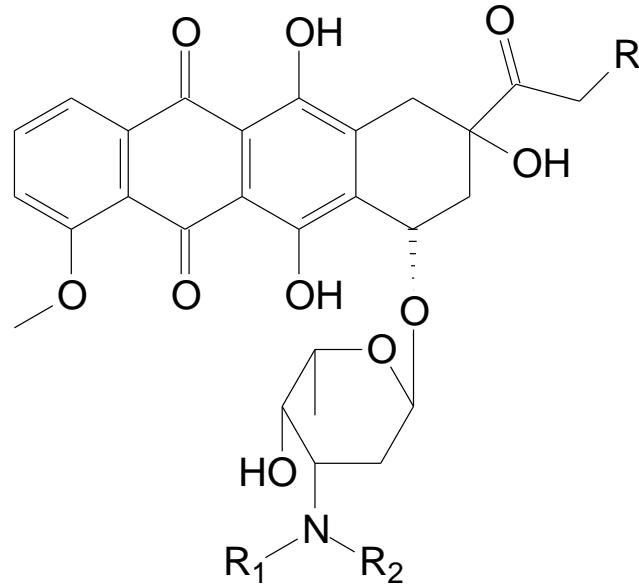
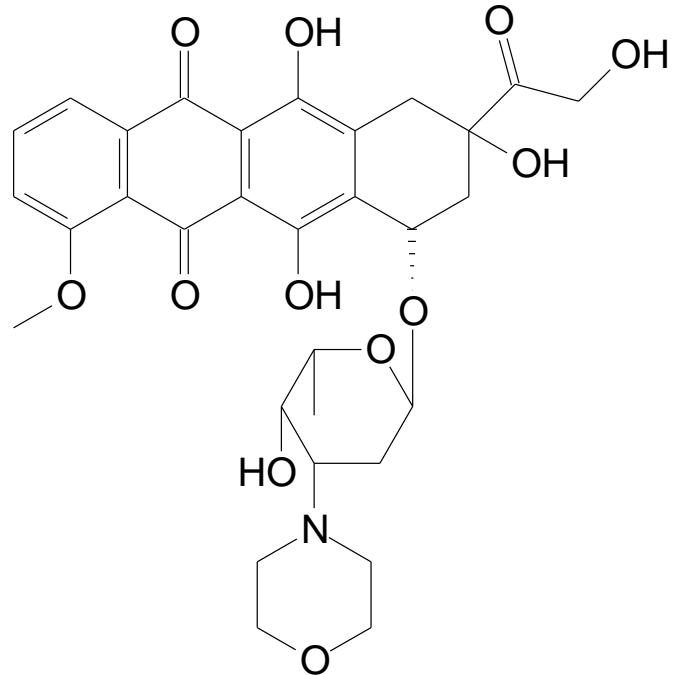
esorubicin



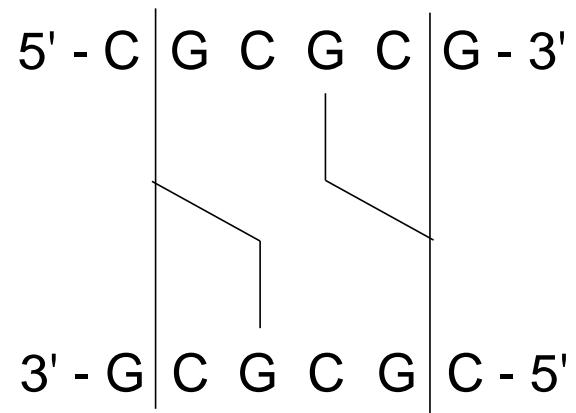
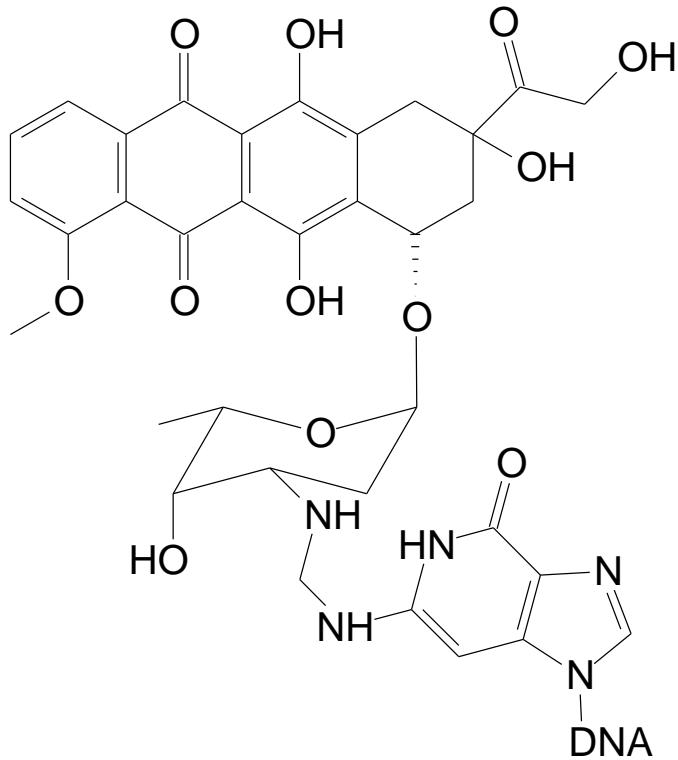
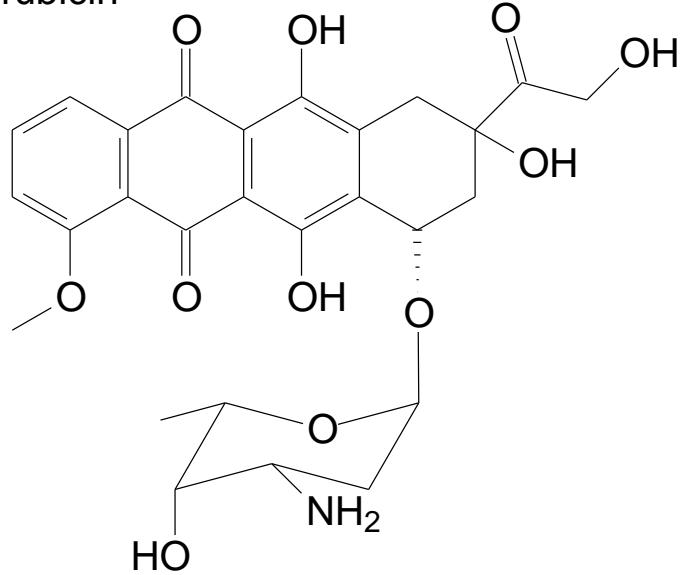
4'-iododoxorubicin

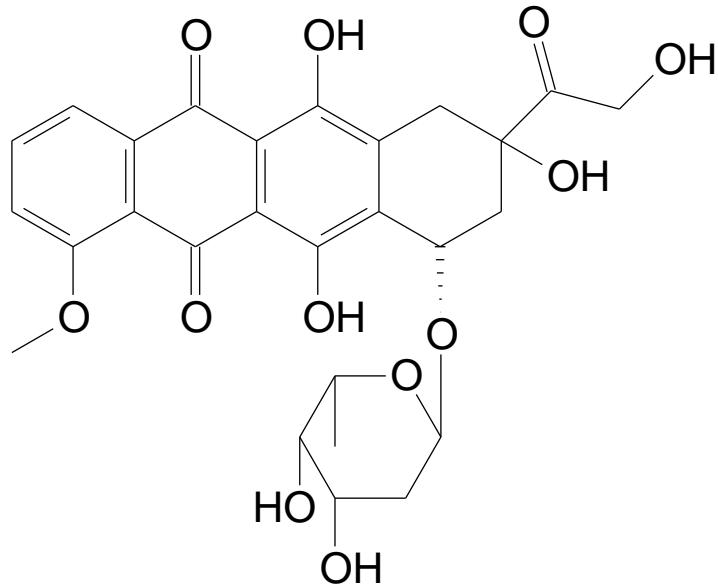


idarubicin

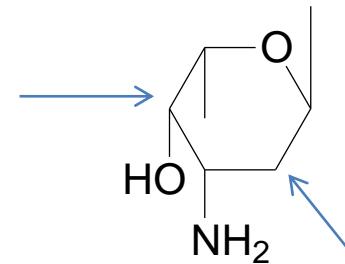
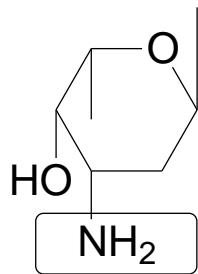


doxorubicin

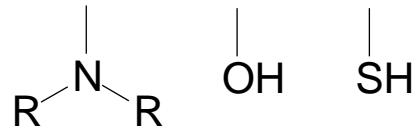


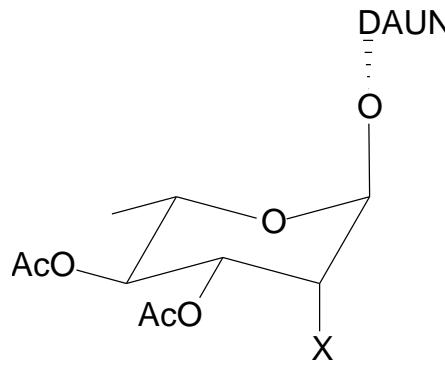


hydroxyrubicin

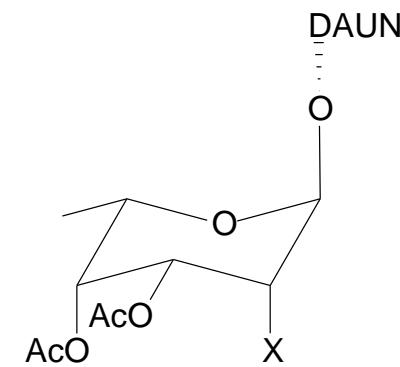


I, Br, Cl, F, OH

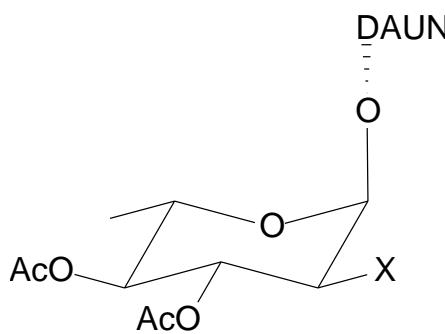




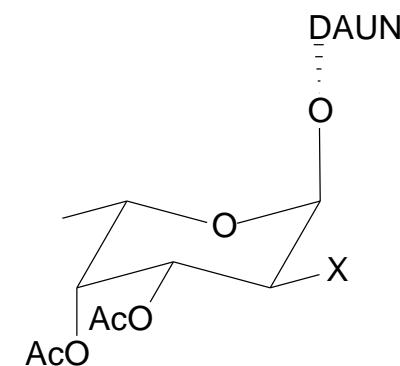
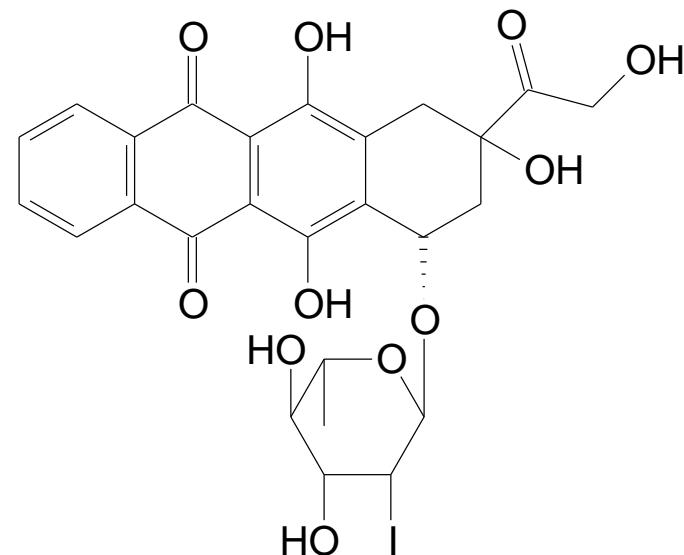
δραστικό



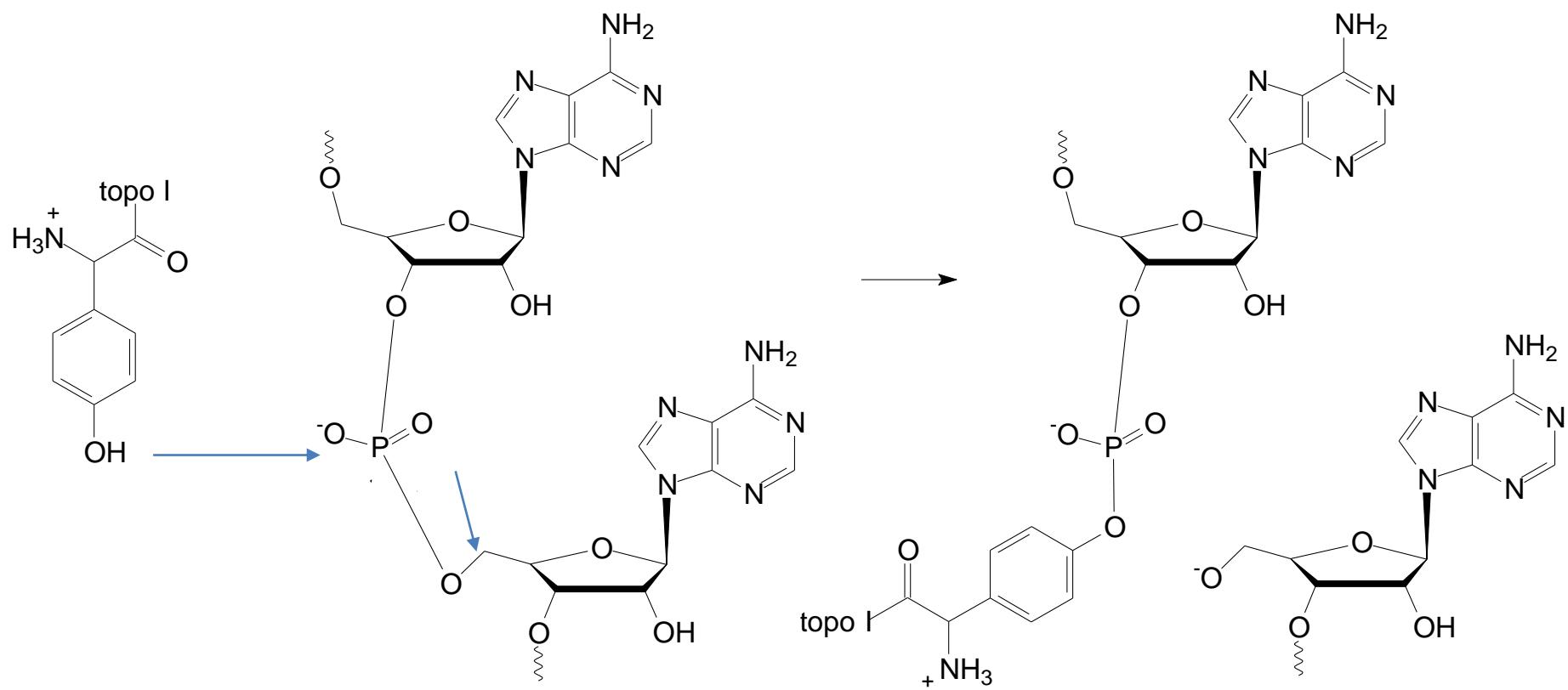
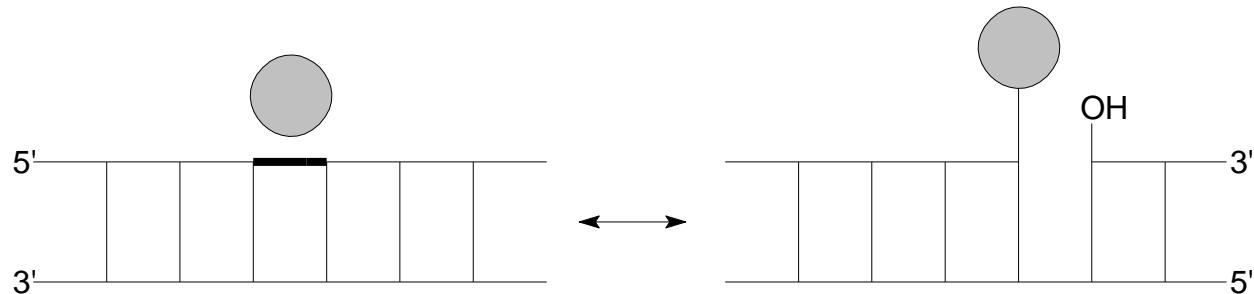
λιγότερο δραστικό

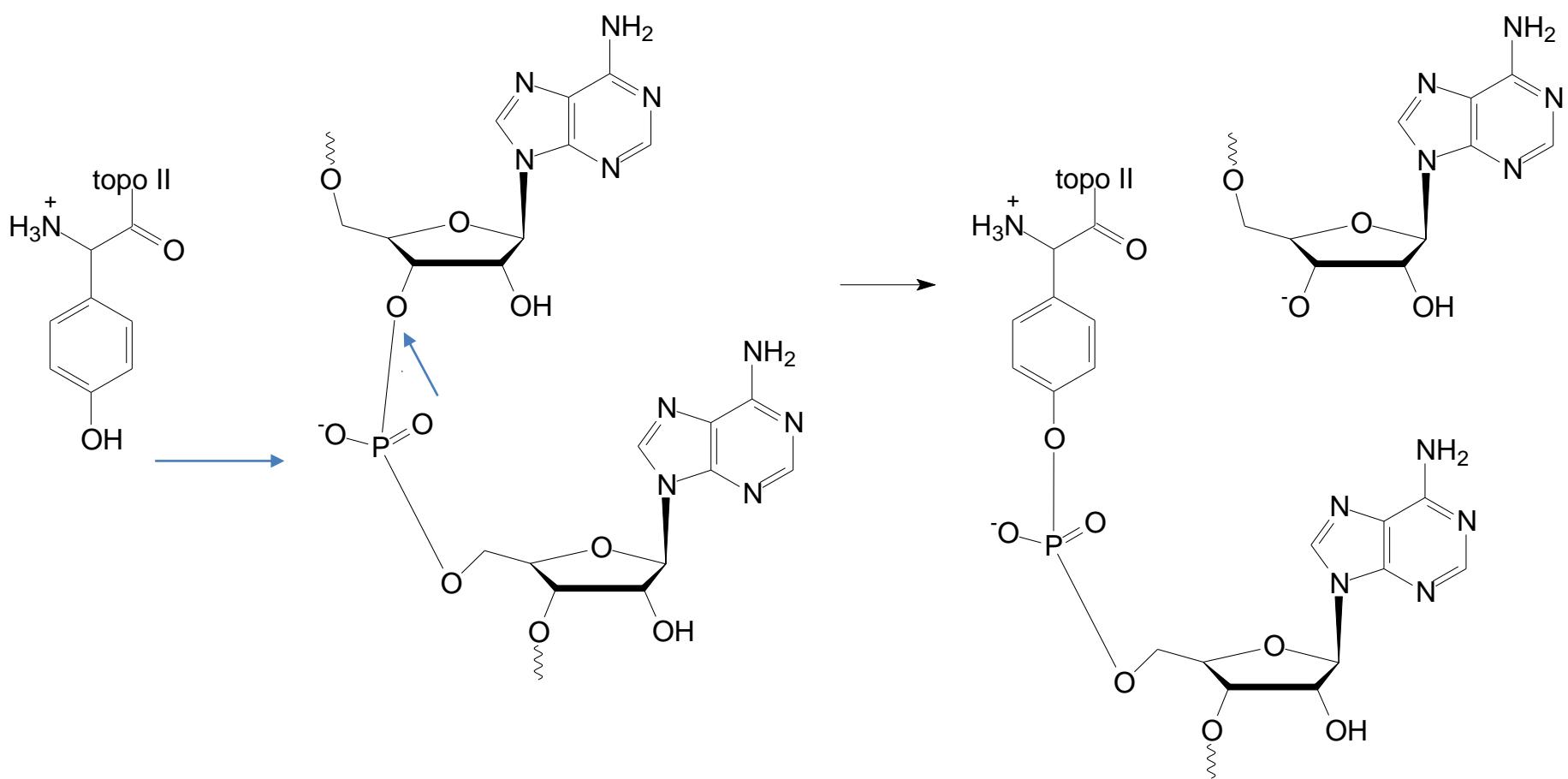
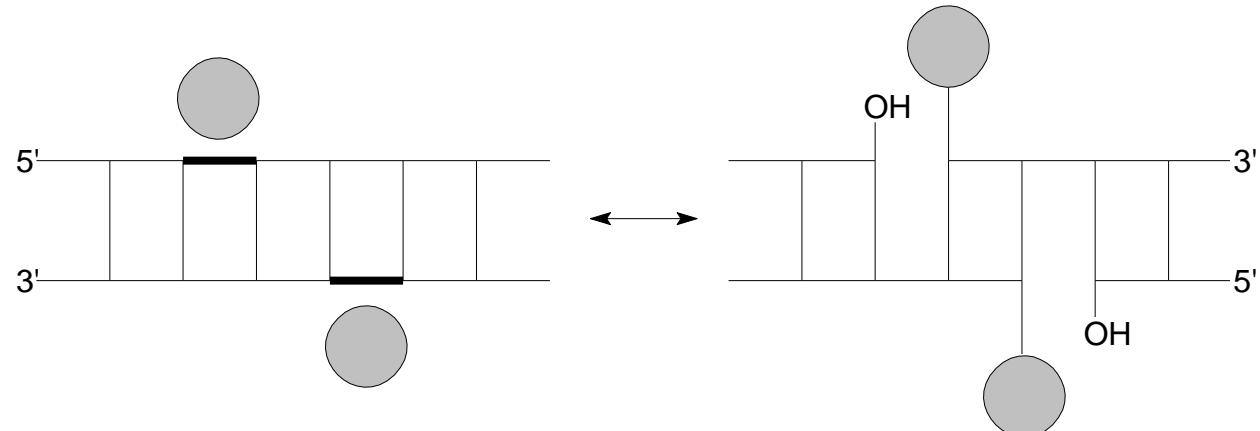


αδρανές

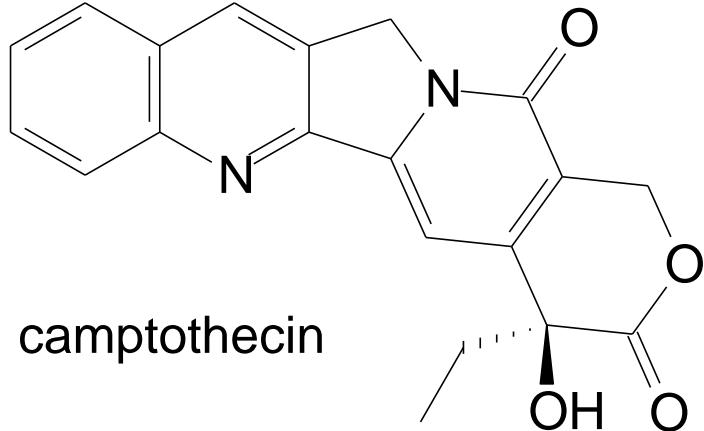


αδρανές

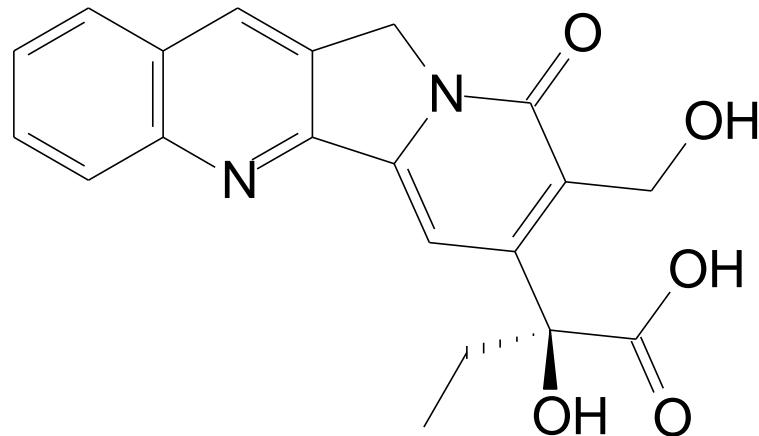
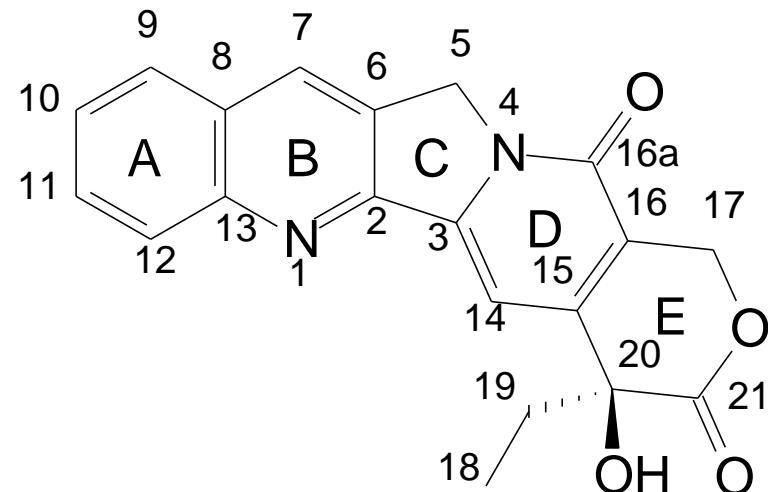


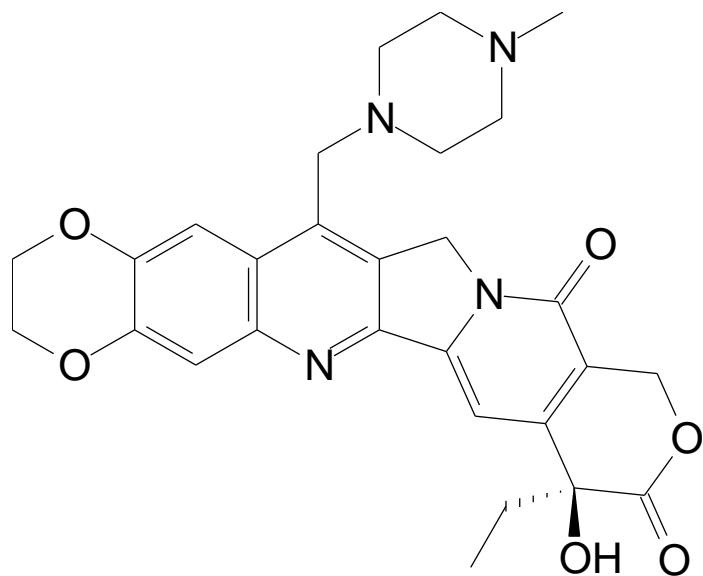
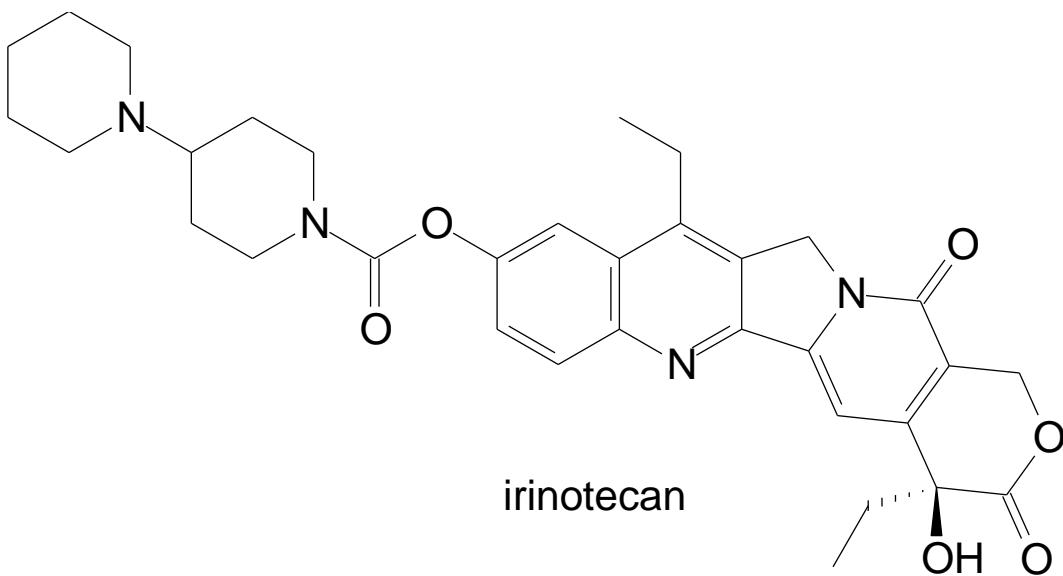
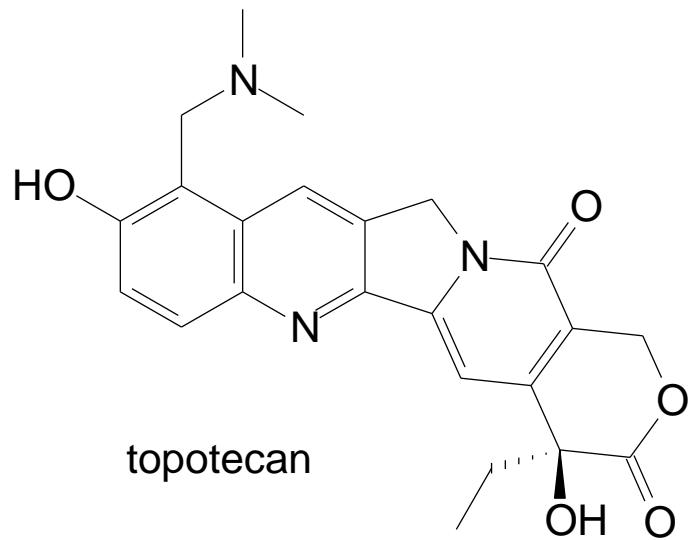
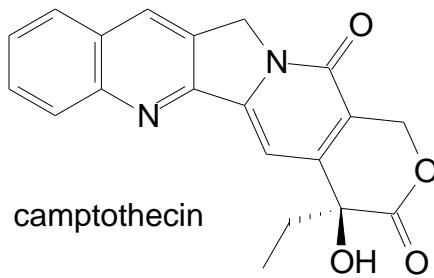


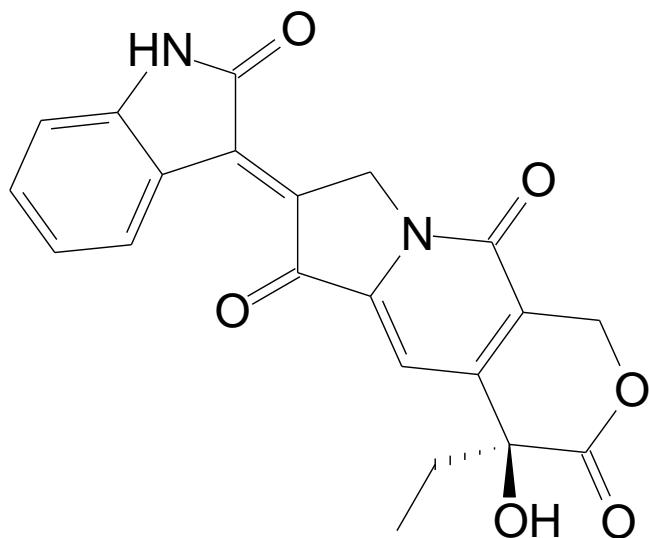
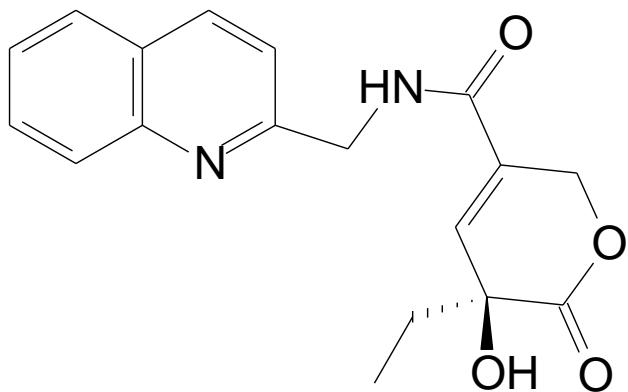
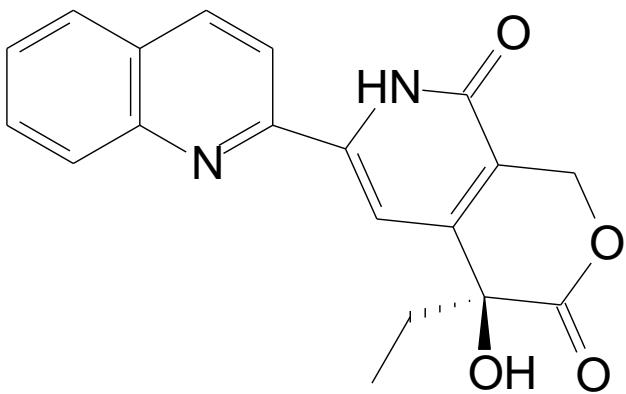
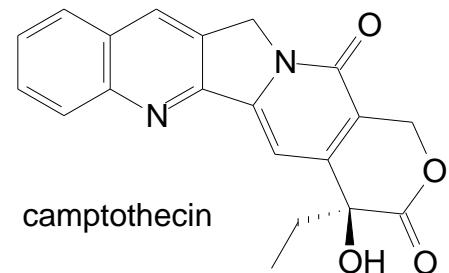
Αναστολείς τοποϊσομεράσης I



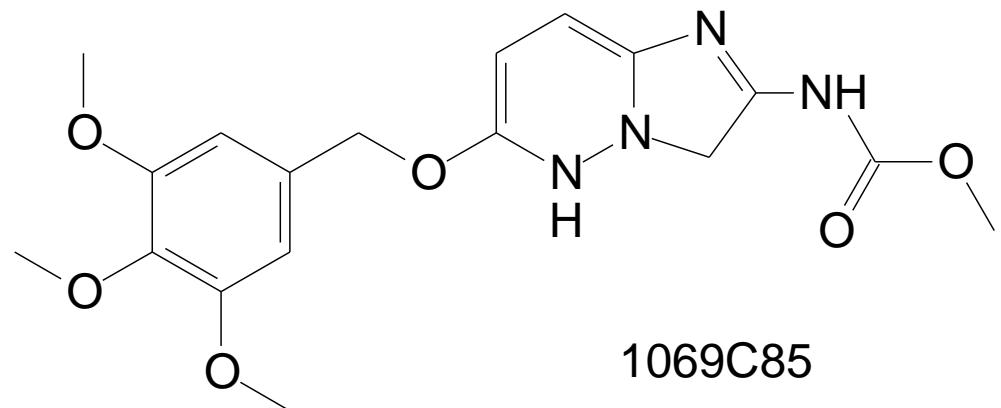
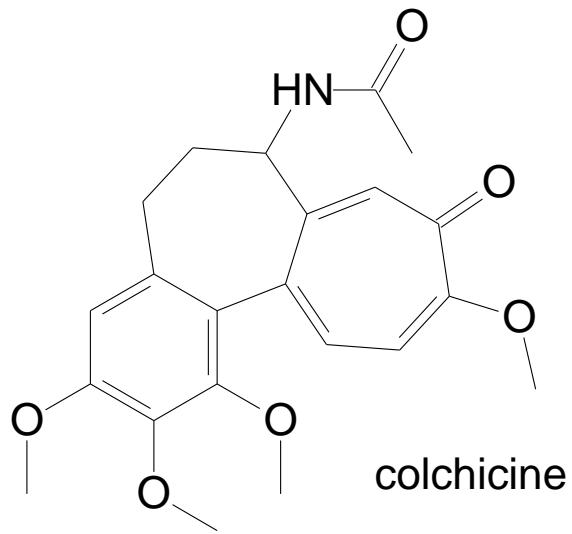
camptothecin



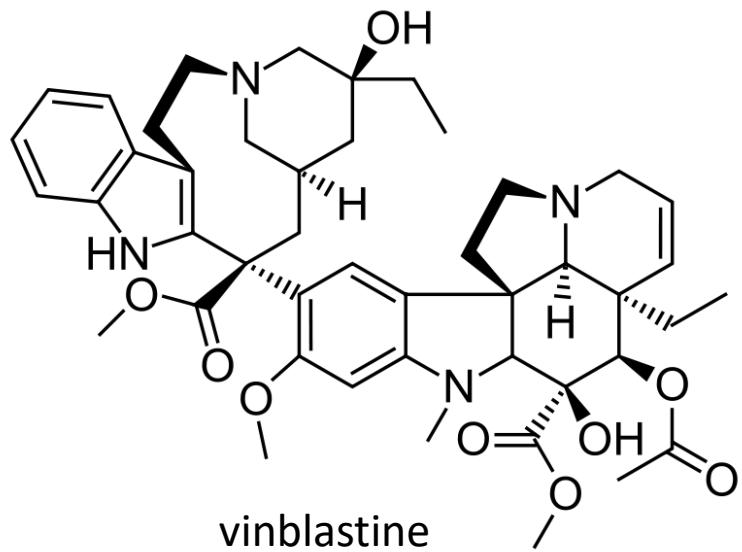




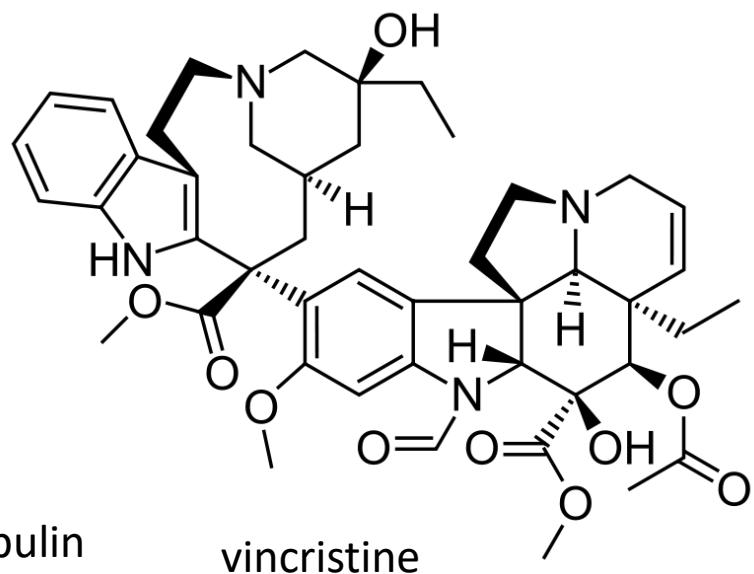
Αναστολείς της λειτουργίας των μικροσωληνίσκων



Δρούν ως αναστολείς του πολυμερισμού της tubulin

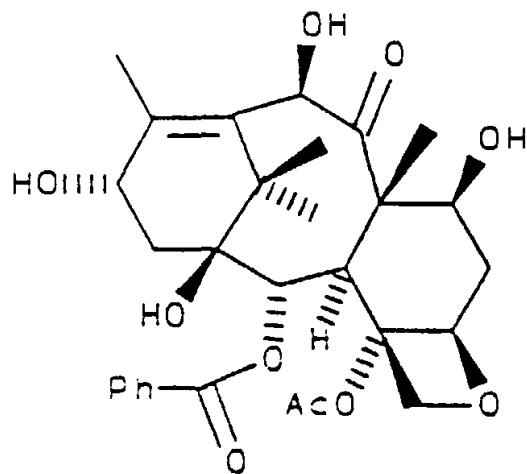
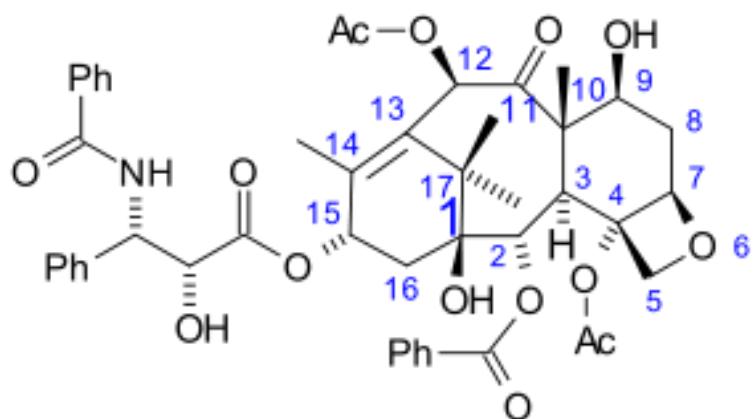


vinblastine

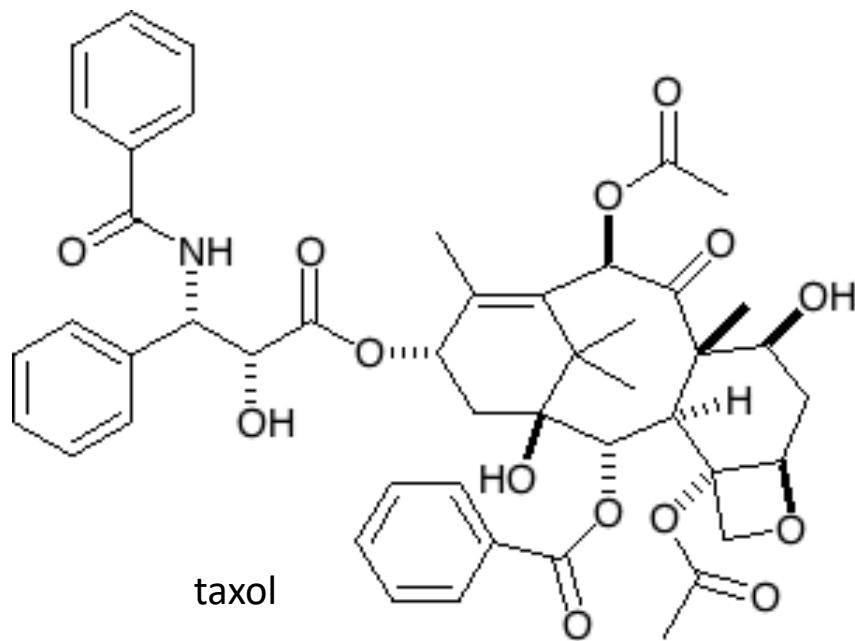


vincristine

Δρούν ως επαγωγείς του αποπολυμερισμού της tubulin



10-deacetyl baccatin III



taxol

Can be replaced by tertiary-butyl-oxy group

Side chain contributes to bioactivity

Contributes to the defined conformation of the molecule

Replacement by alkyl or alkenyl improves activity

Important for bioactivity

Significant contribution to bioactivity

Benzoyl group required for bioactivity

Oxetane ring increases activity

