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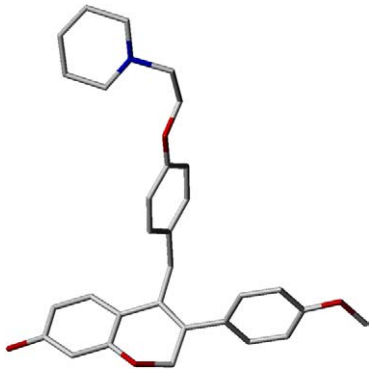
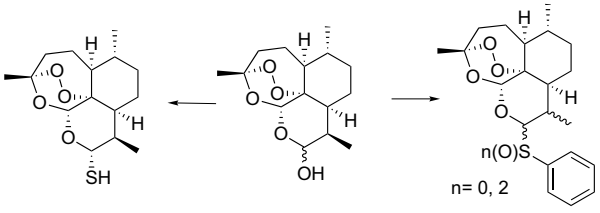
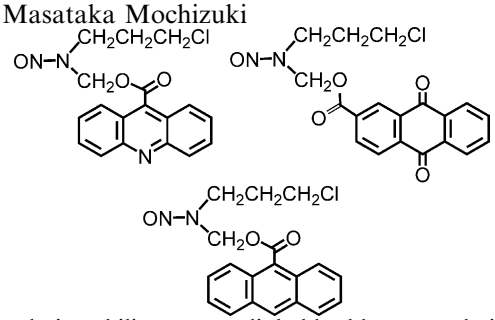
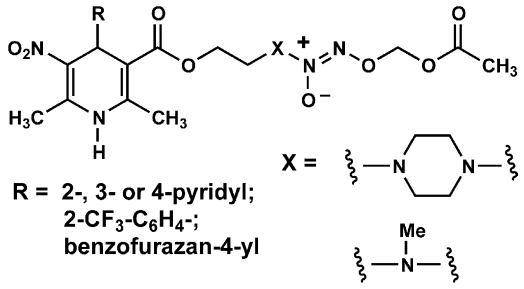
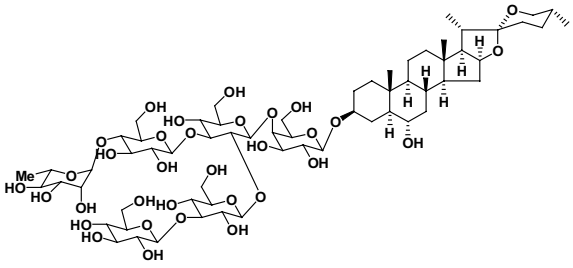
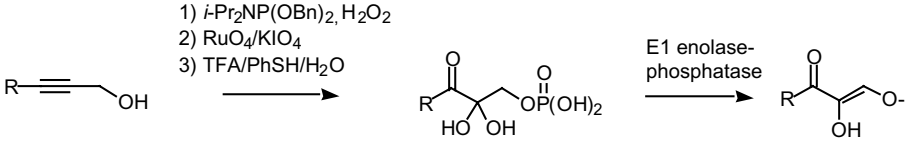


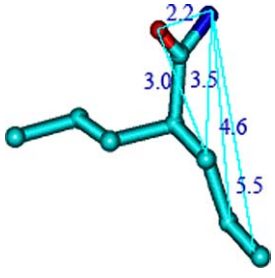


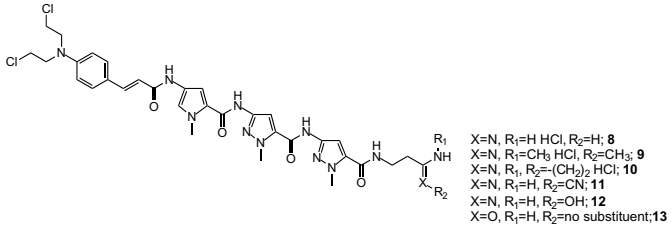




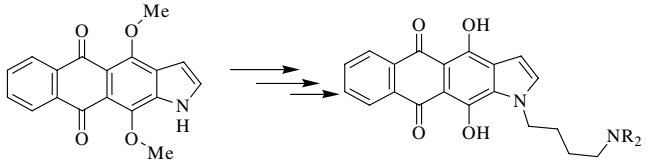




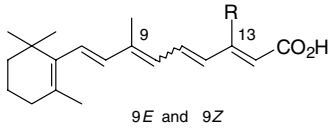




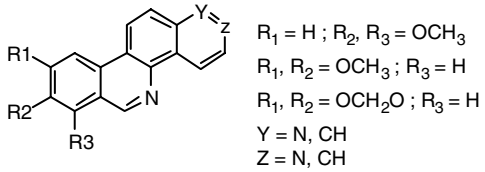
The design, synthesis and in vitro activities of a series of cinnamoyl nitrogen mustard pyrazole analogues of tallimustine **8**–**13**, in which the amidino moiety has been replaced by moieties of different physico-chemical features are described.



The preparation and cytotoxic properties of *N*-aminoalkyl-4,11-dihydroxynaphtho[2,3-*f*]indole-5,10-diones are described. The *N*-aminobutylnaphthoindolediones are less active in vitro against the majority of human cancer cell lines, but have higher potency than adriamycin or mitoxantrone against adriamycin resistant breast cancer cell line NCI/ADR.



Various 13-substituted all-*E*- and 9*Z*-retinoic acid analogs were synthesized, and their antiproliferative, differentiation-inducing, and apoptosis-inducing activities were tested in HL-60 cells.



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*Corresponding author

COVER

2004: Overlaps of the eight known aldolase alpha-beta barrels in 2-deoxyribose-5-phosphate aldolase (DERA). Ribbon model for DERA is shown in green, with key Lys residues capable of Schiff base formation highlighted in stick figure. Reactive Lys167 is shown in yellow. DeSantis, G.; Liu, J.; Clark, D. P.; Heine, A.; Wilson, I. A.; and Wong, C.-H. *Bioorganic & Medicinal Chemistry* **2003**, *11*, 43–52.

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