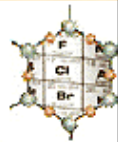




Dalhousie University

Department of Chemistry
& College of Pharmacy

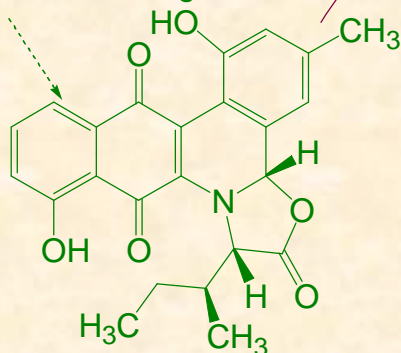


The Jakeman research group

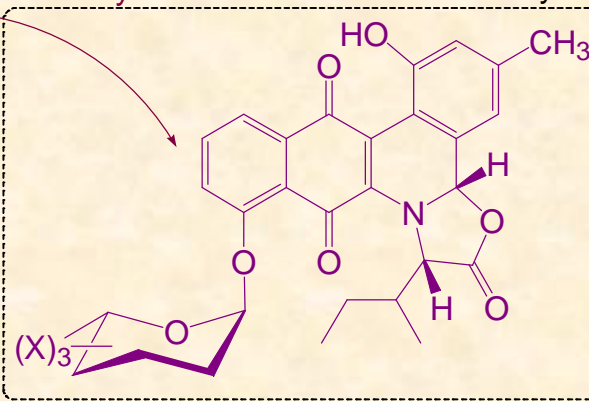
Adding the sugar alters the colour of the molecule and increases the anticancer activity

Test for anticancer activity *in vitro*

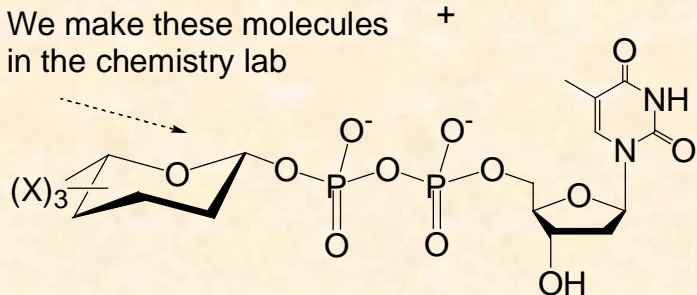
We chemically engineer soil bacteria to generate analogues



JadS
Enzyme

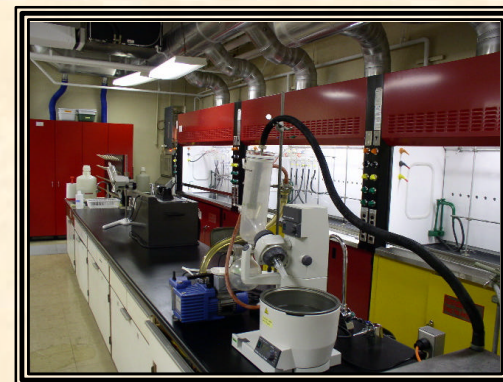


We make these molecules in the chemistry lab



X = OH, F, NH₂, OCH₃

We engineer the glycosyltransferase gene for modified substrate specificity using directed evolution



Our laboratory

Research funding gratefully acknowledged from:

