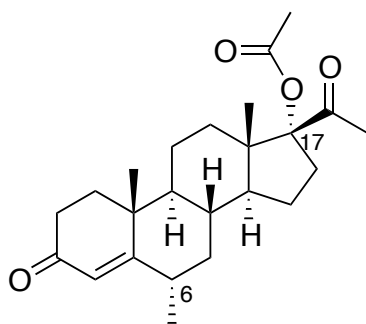


Hybridization

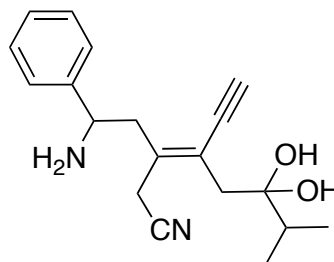
Hybridization	# of charge clouds*	Geometry	Bonding Type

*Charge cloud = atom or lone pair, NOT # of bonds

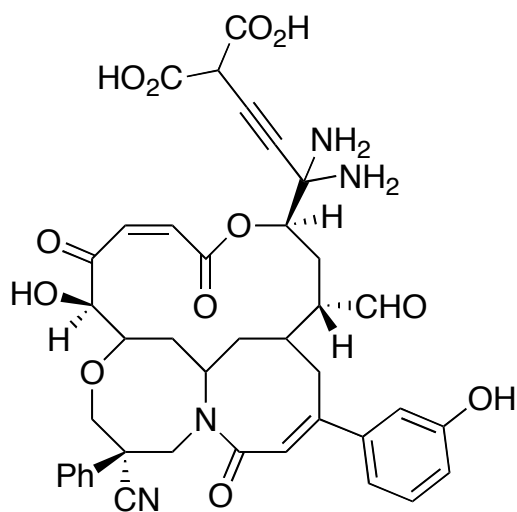
Lecture 1: Indicate the hybridization of every C, O, and N atom in the structures below.



Depro-Provera
(depot-injected contraceptive)



"Fictitious molecule"
(for training purposes only!)

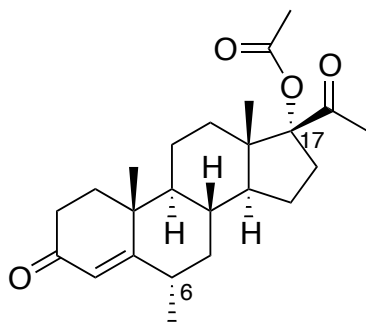


(Another fictitious molecule)

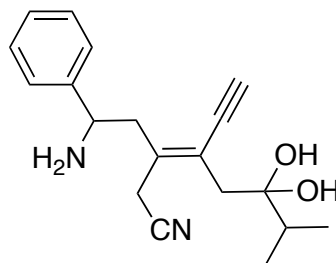
Functional Groups

A **functional group** is a specific ordered arrangement of two or more atoms.

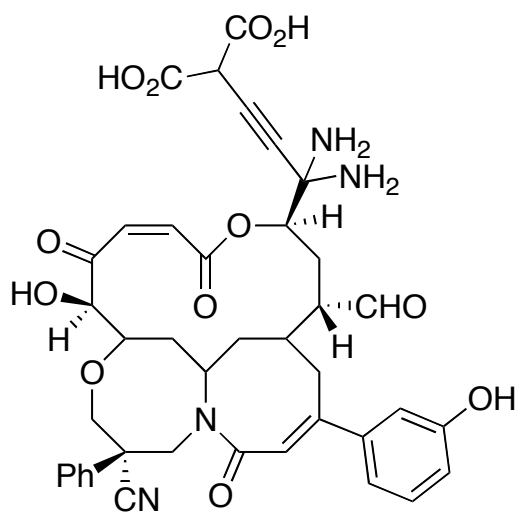
Lecture 3/4: Circle & name the functional groups on the molecules below. Use Table 3.1 as a reference.



Depro-Provera
(depot-injected contraceptive)



"Fictitious molecule"
(for training purposes only!)



(Another fictitious molecule)