



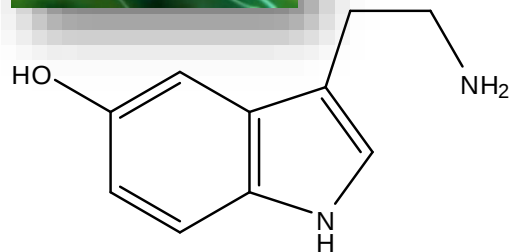
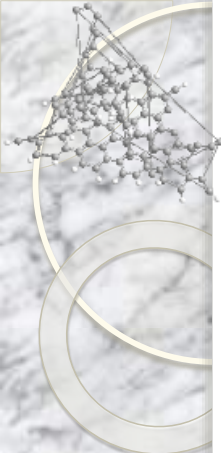
Natia Karchava

Synthesis of new derivatives of 3-phenylpyridazinoindoles

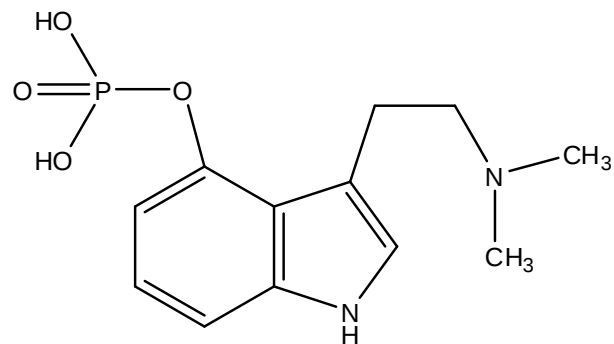


Department of Organic Chemistry

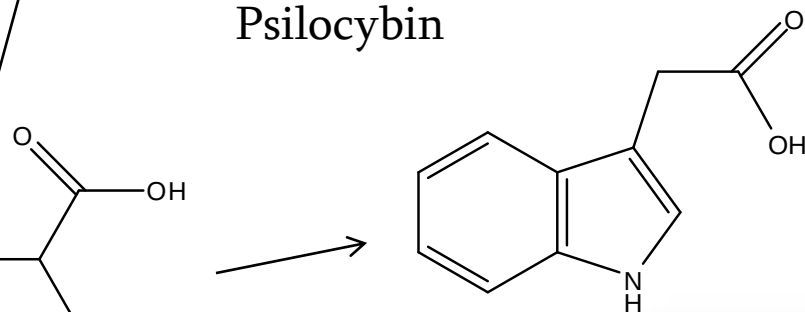
DEPARTMENT OF ORGANIC CHEMISTRY



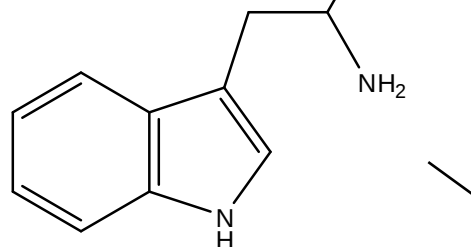
Serotonin



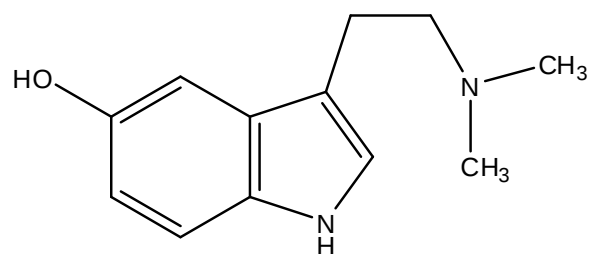
Psilocybin



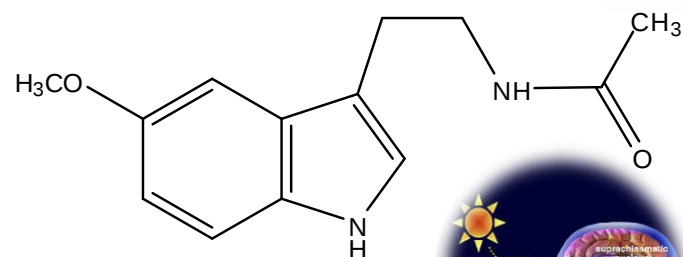
Heteroauxin



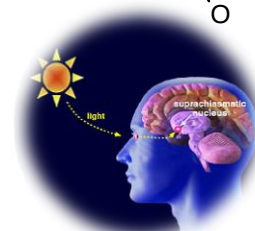
Tryptophan

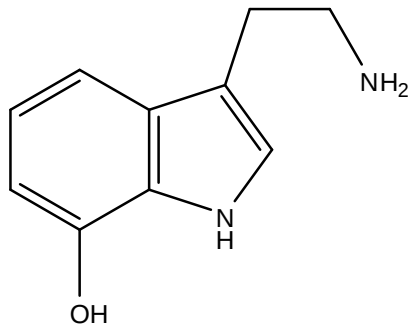
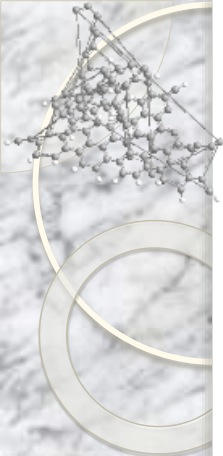


Bufotenin

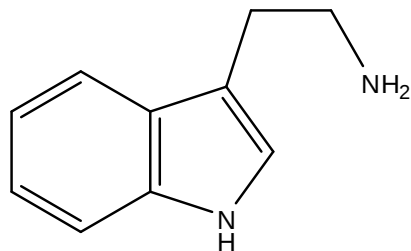


Melatonin

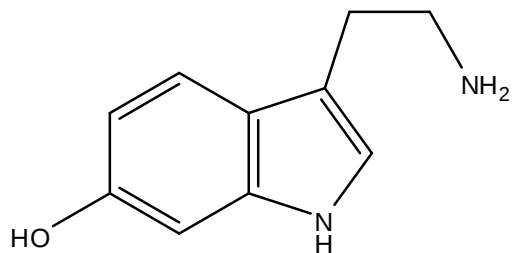
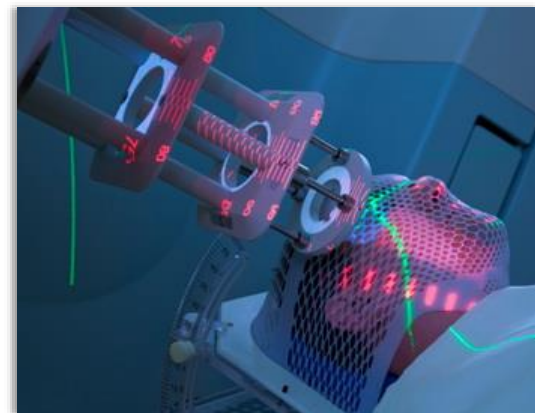




7-Hydroxytryptamine

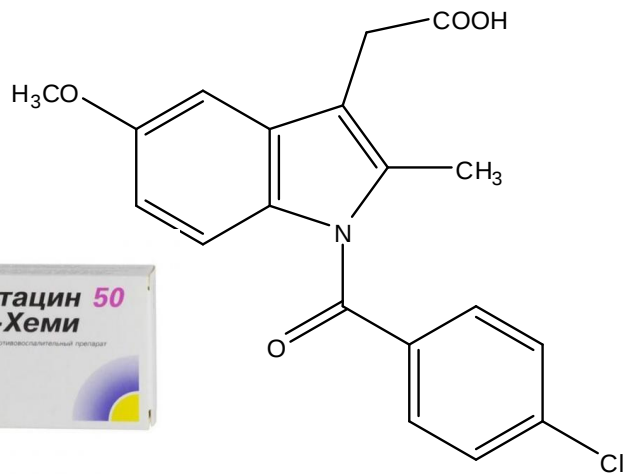


Tryptamine

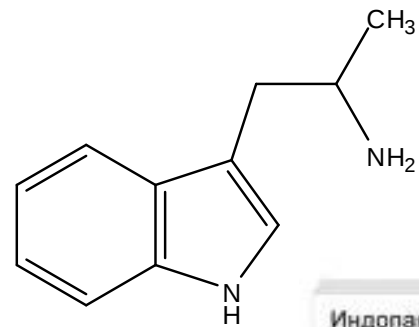


6-Hydroxytryptamine

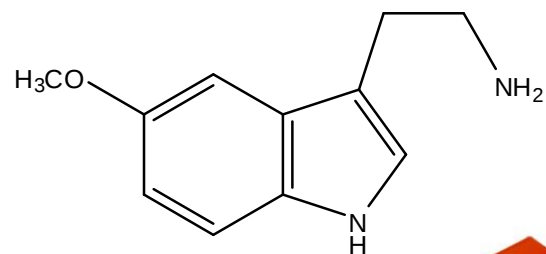
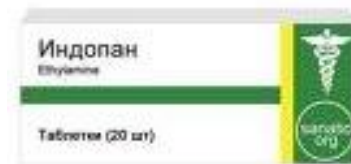




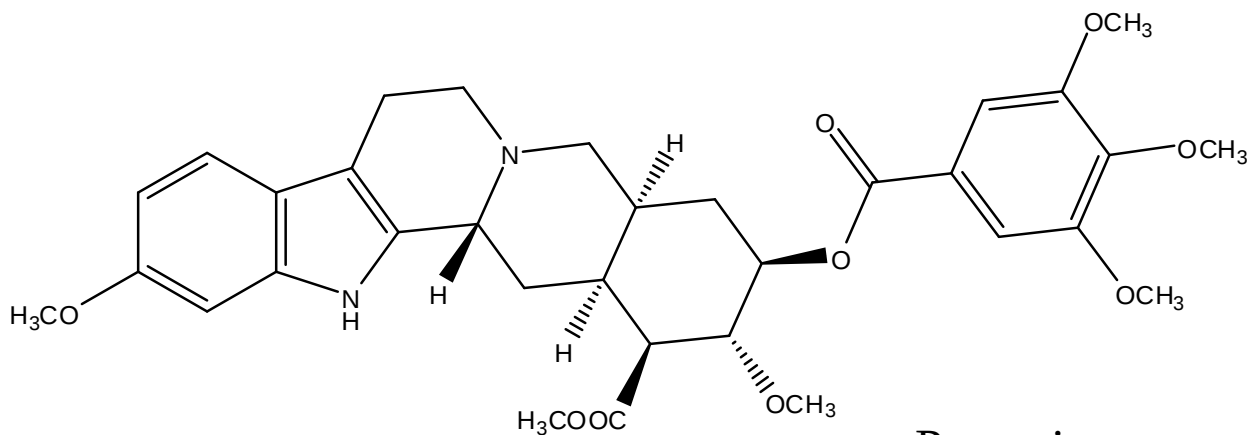
Indometacin



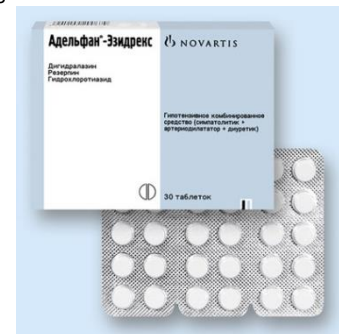
Indopan

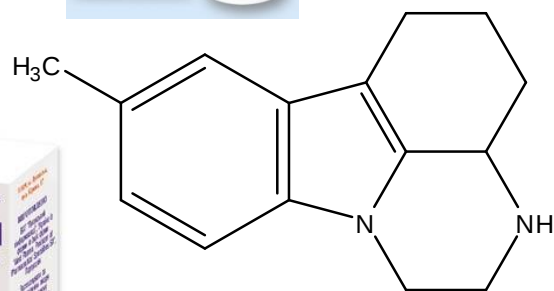
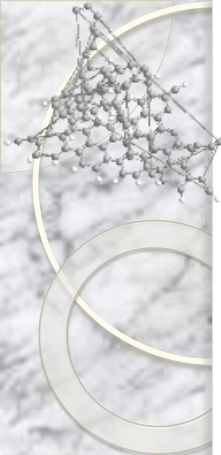


Mexamine

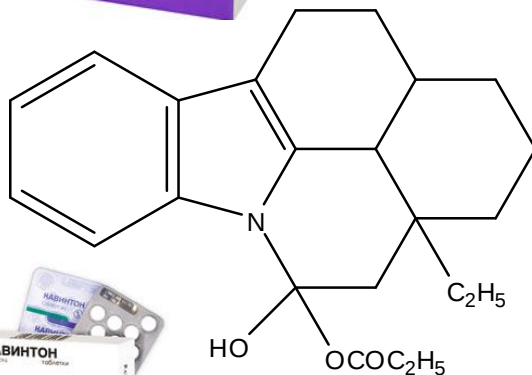


Reserpine

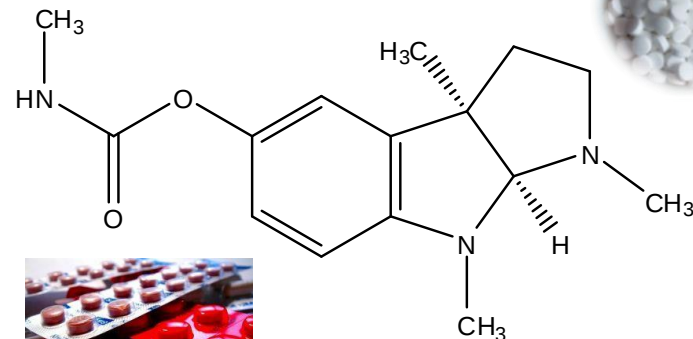




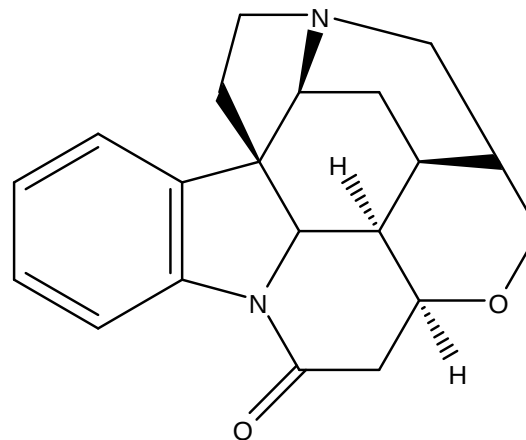
Pirlindole



Cavinton



Physostigmine

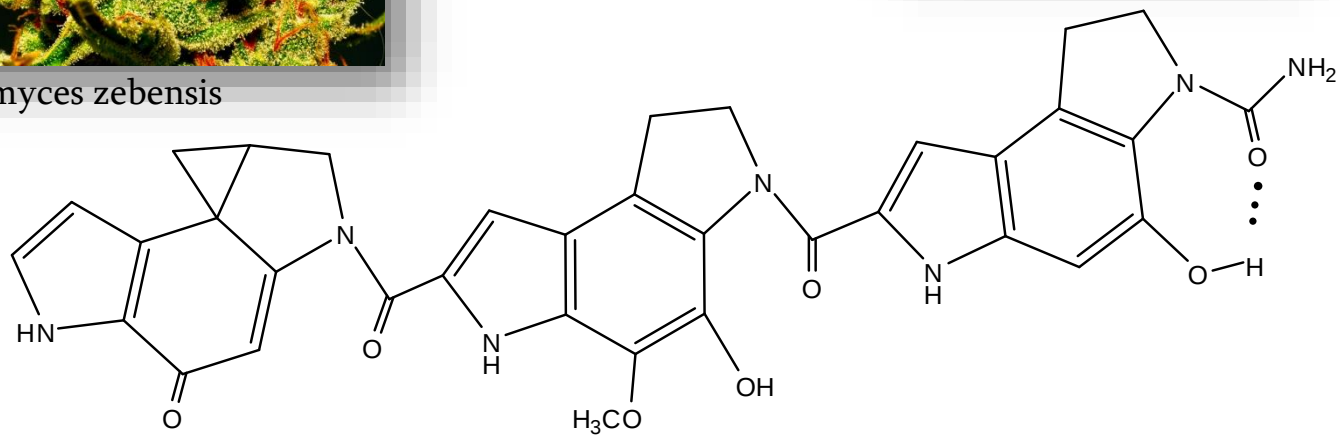


Strychnine



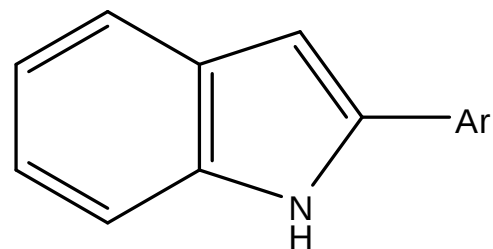
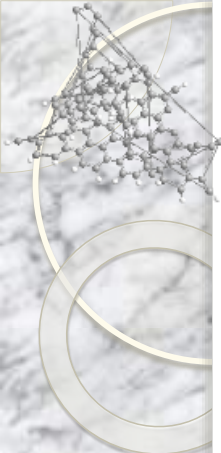


Streptomyces zebensis

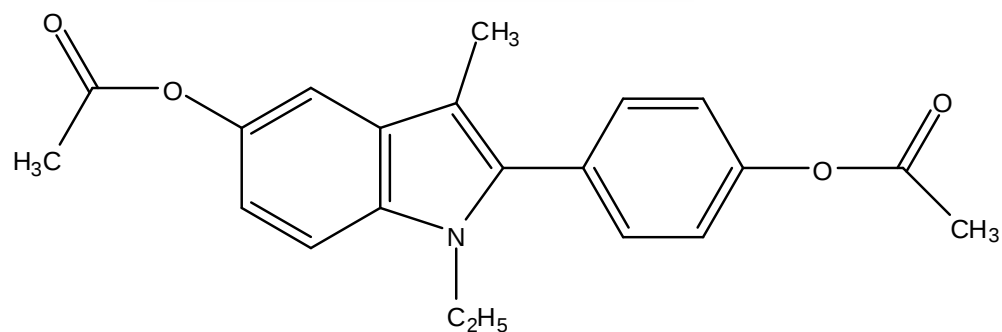
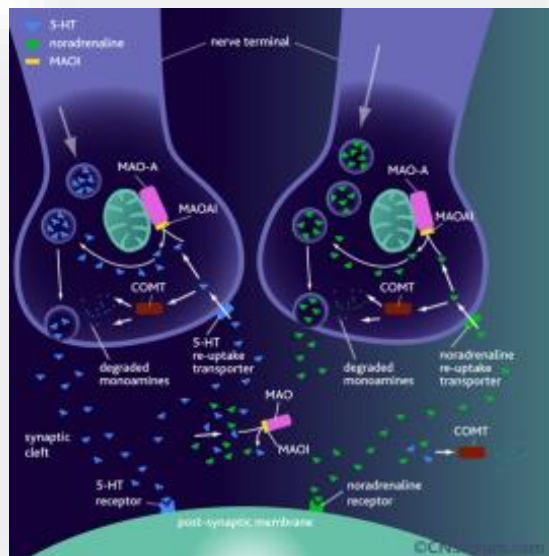


CC-1065

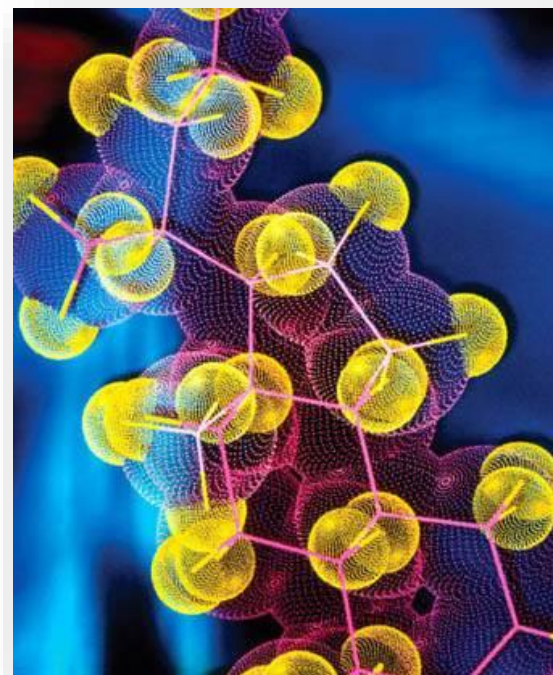


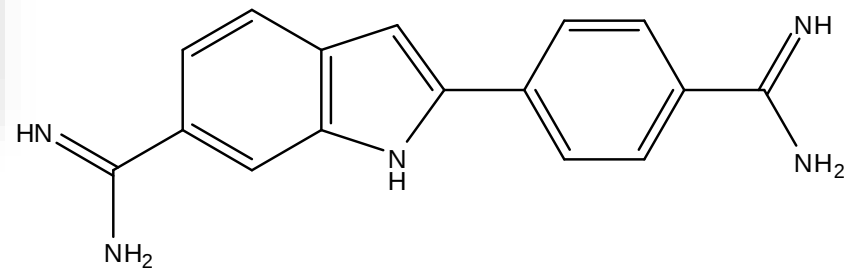
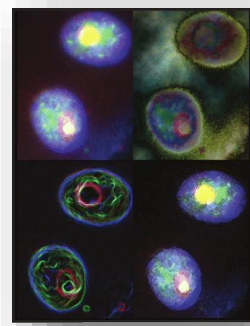
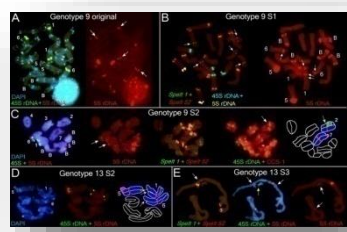
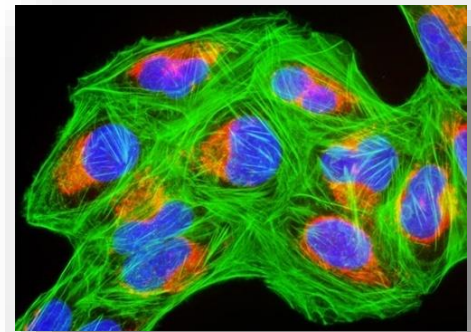
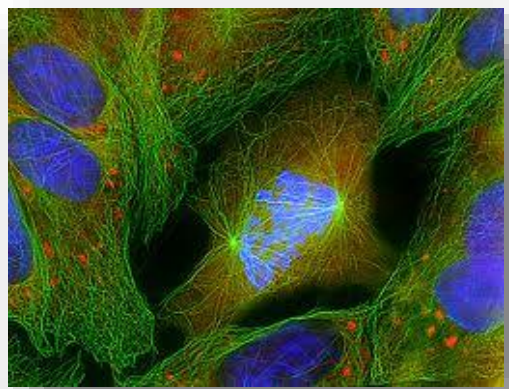
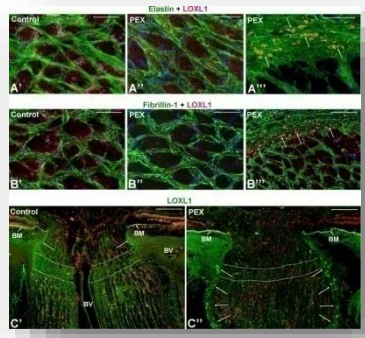
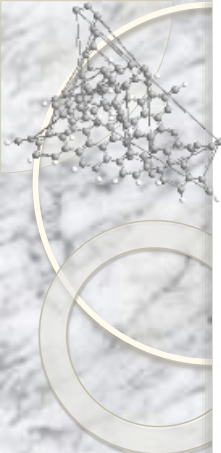


2-aryl Indole

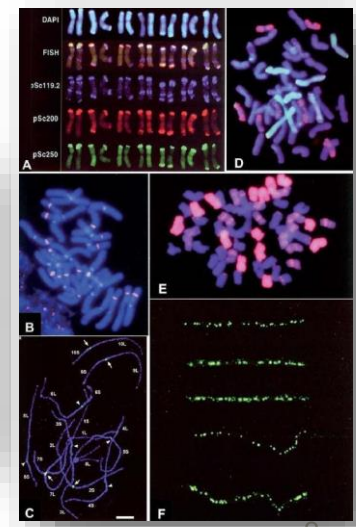
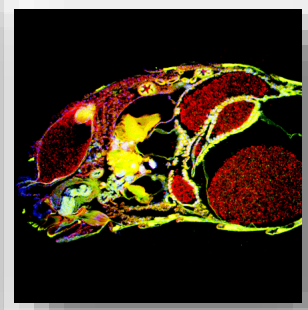
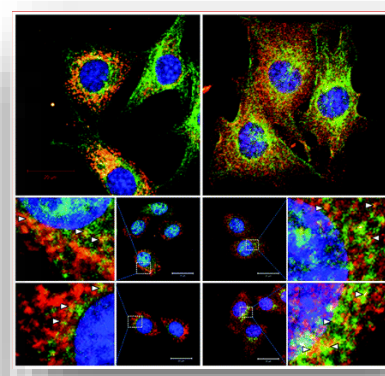
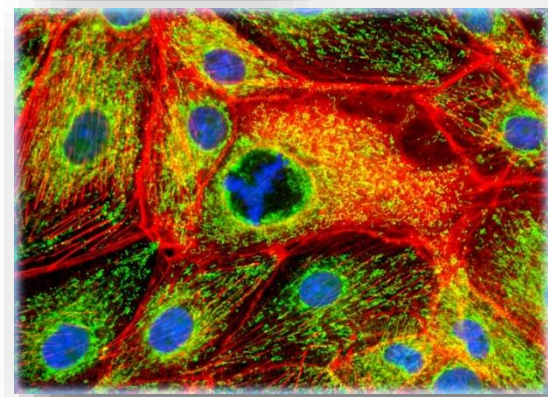
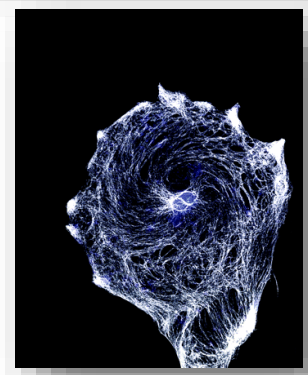


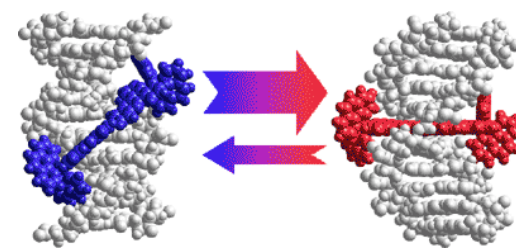
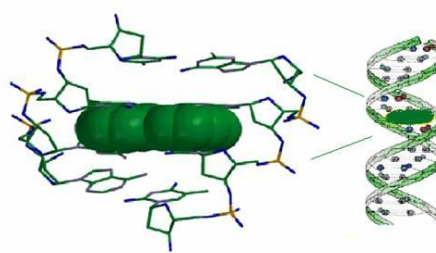
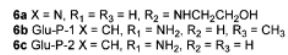
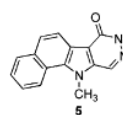
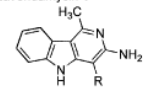
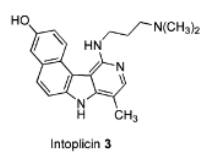
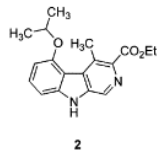
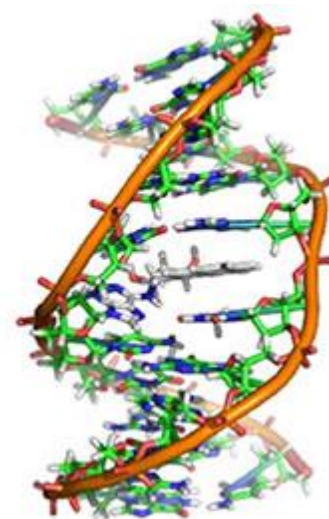
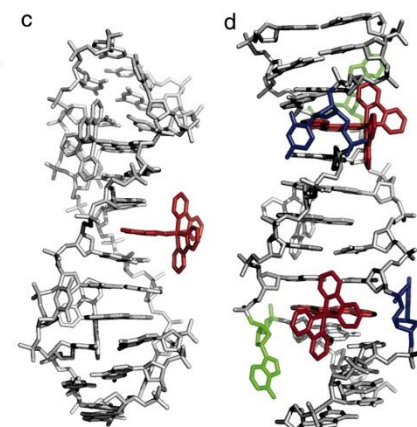
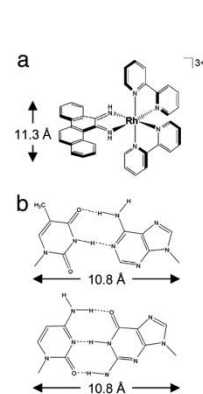
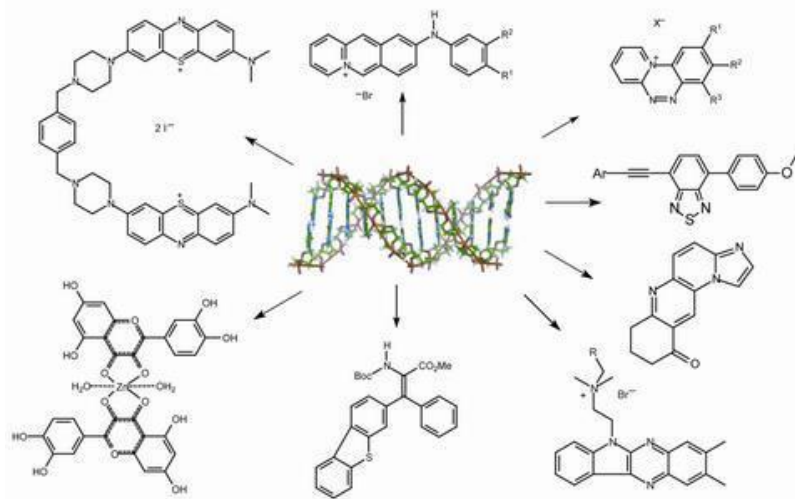
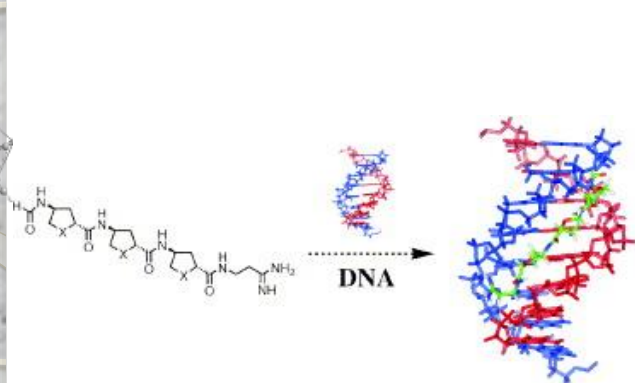
4',5-diacetoxy-1-ethyl-2-phenyl-3-methylindole



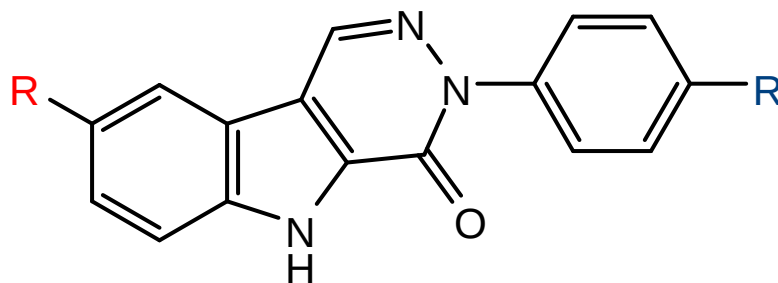


DAPI 4',6-diamidino-2-phenylindole



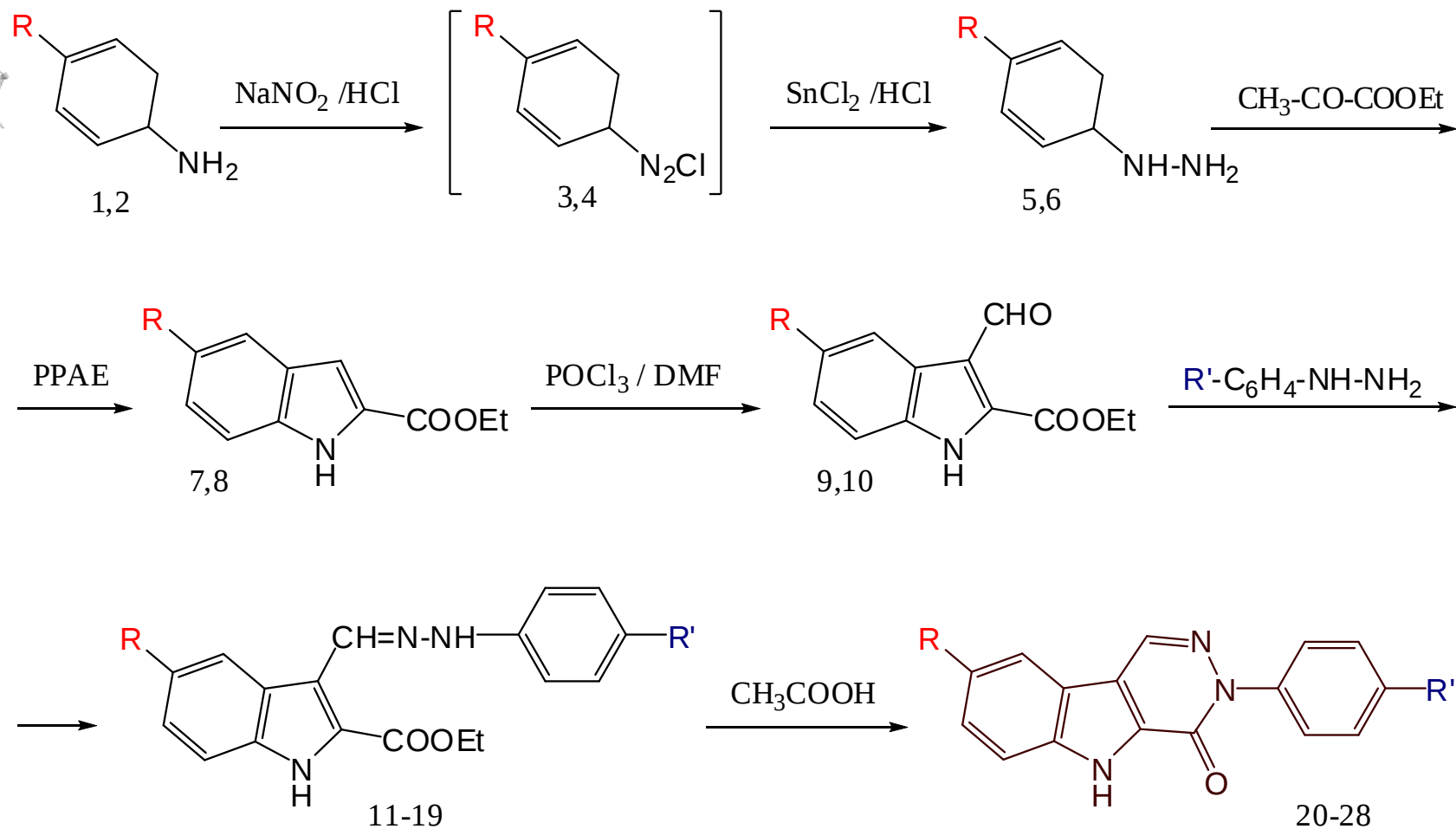


3-aryl-4-oxo-3H,5H-piridazino[4,5-b]indole



$R = -Cl, -CH_3$

$R' = -Cl; -Br; -NO_2; -CH_3; -C_6H_5$



1,3,5,7,9,11-15,21-25 $\text{R}=\text{Cl}$; 11,16,20,25 $\text{R}'=\text{Cl}$; 13,18,22,27 $\text{R}'=\text{NO}_2$; 15,24 $\text{R}'=\text{Ph}$;
 2,4,6,8,10,16-19,26-29 $\text{R}=\text{Br}$; 12,17,21,26 $\text{R}'=\text{Br}$; 14,19,23,28 $\text{R}'=\text{CH}_3$;



Thank You

Tbilisi - 2013



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Natia Karchava