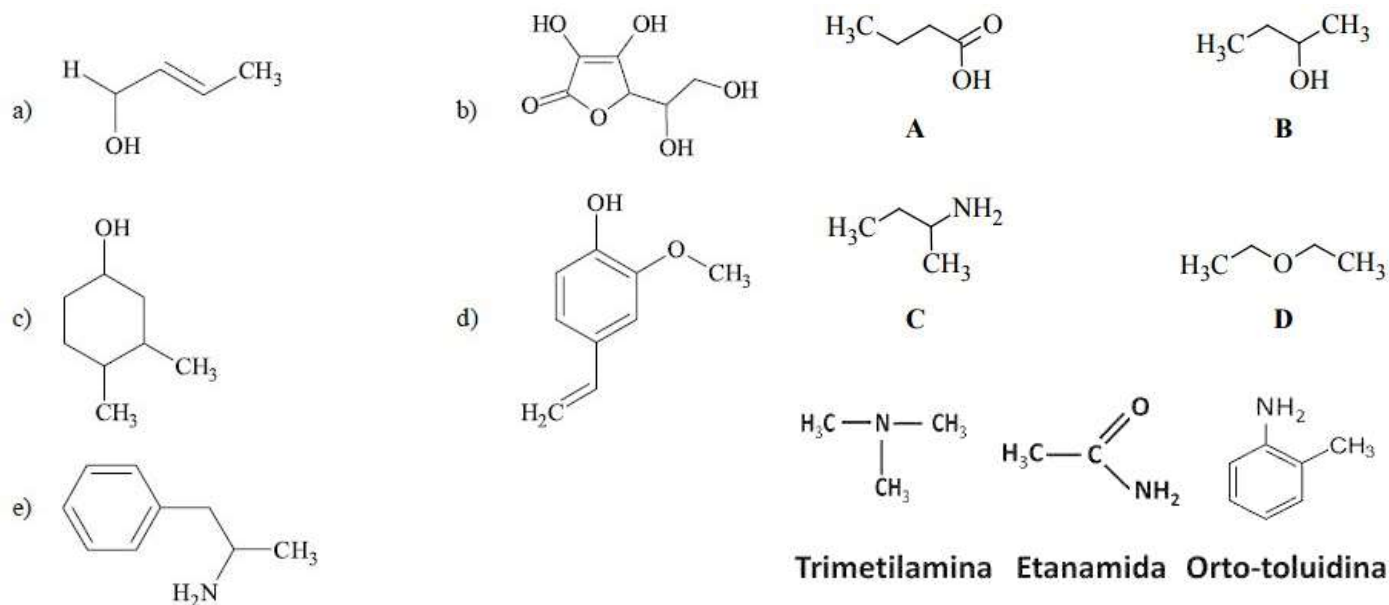


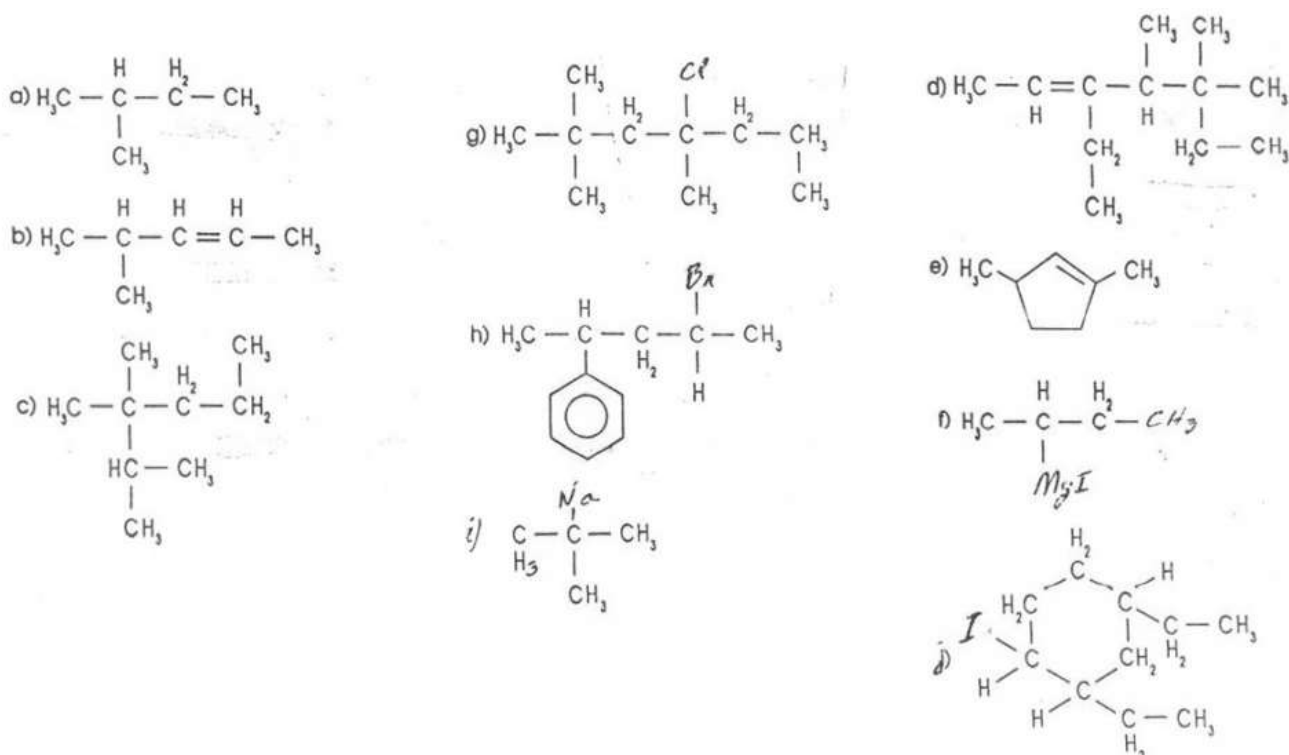


LISTA 02 - INTRODUÇÃO A QUÍMICA ORGÂNICA

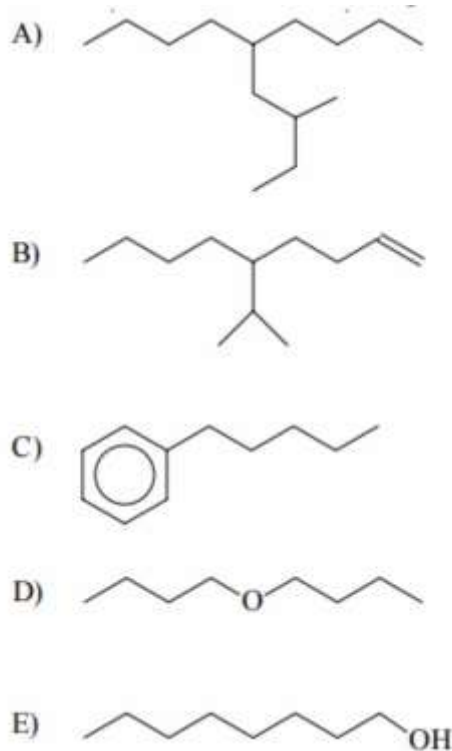
01) Classifique os carbonos dos compostos orgânicos abaixo:



02) Classifique as cadeias carbônicas dos compostos orgânicos abaixo:

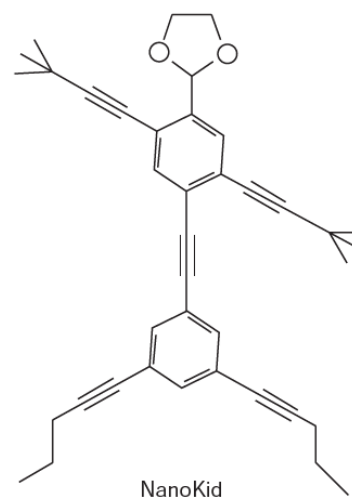
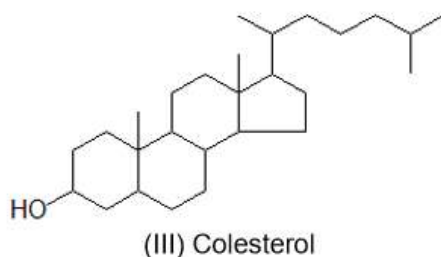
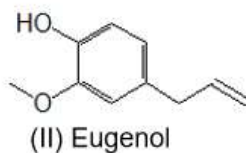


03) Classifique as hibridações nos carbonos dos compostos orgânicos abaixo:



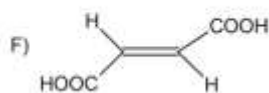
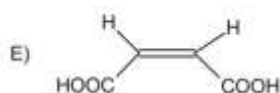
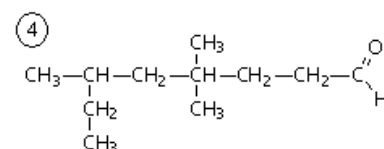
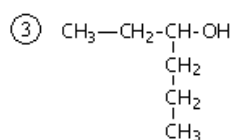
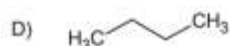
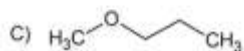
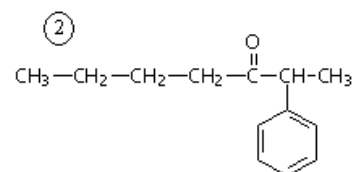
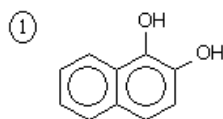
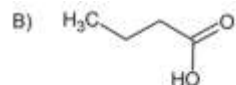
Medicamento	Estrutura química do princípio ativo
Codaten®	 Codeína
Energil C®	 Ácido ascórbico
Tylenol®	 Paracetamol
Aspirina®	 Ácido acetilsalicílico

04) Dê as fórmulas moleculares dos compostos orgânicos abaixo:

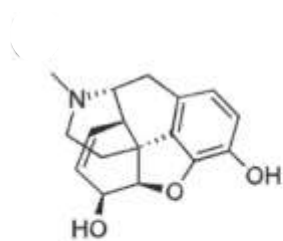


CHANTEAU, S. H.; TOUR, J. M. The Journal of Organic Chemistry, v. 68, n. 23, 2003 (adaptado).

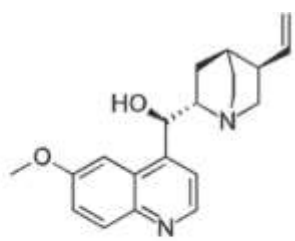
05) Determine o número de ligações sigma e pi em cada um dos compostos orgânicos abaixo:



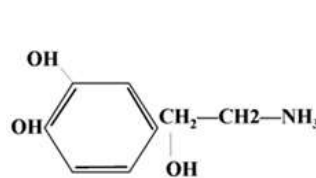
ALGUMAS MOLÉCULAS FAMOSAS:



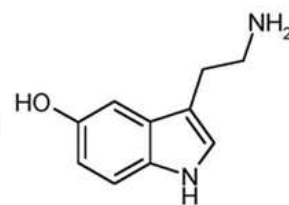
morfina



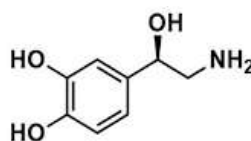
quinina



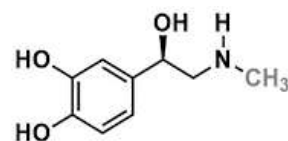
Dopamina



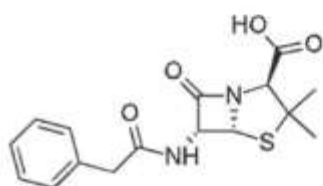
Serotonina



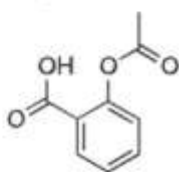
noradrenalina



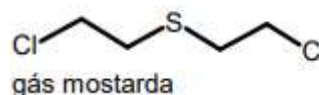
adrenalina



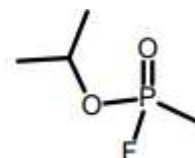
penicilina G



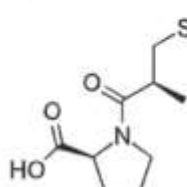
ácido acetilsalicílico



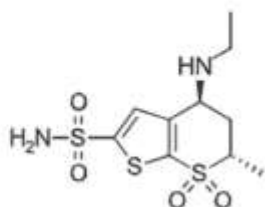
Sildenafil



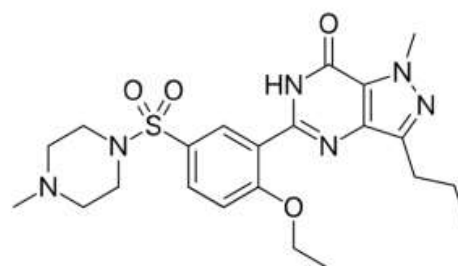
gás sarin



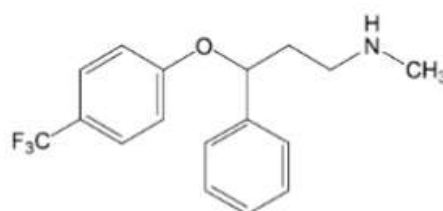
captopril



dorzolamida

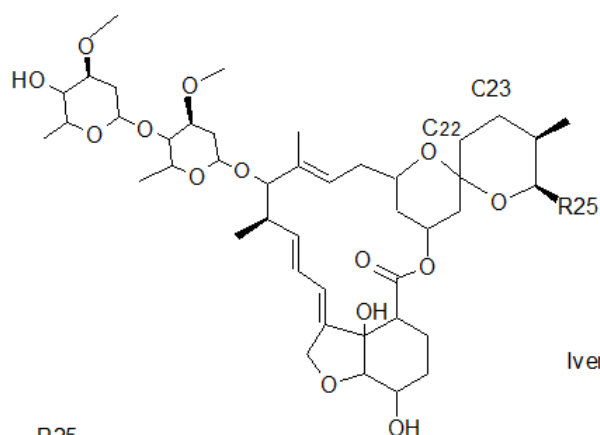
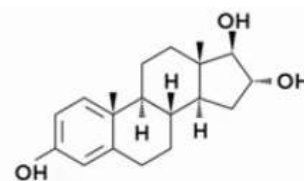
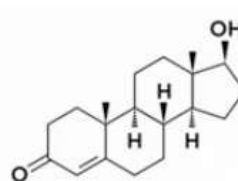


Fluoxetina

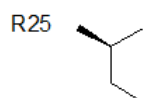


testosterona

estrogênio



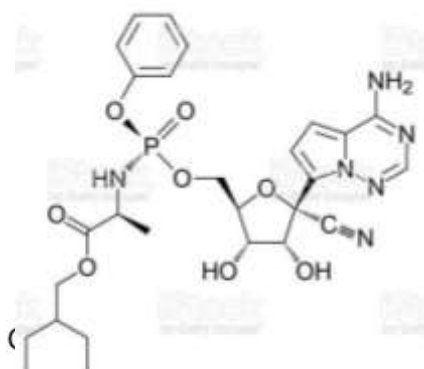
Ivermectina B1



Ivermectina B1a

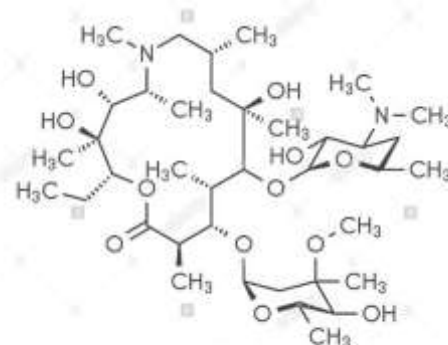
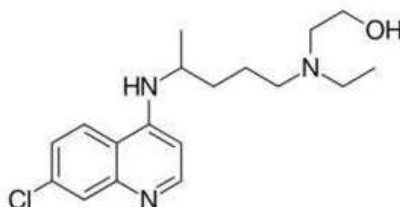


Ivermectina B1b

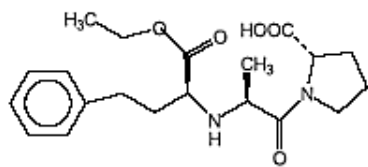


Remdesivir

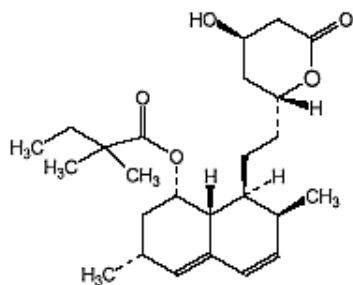
HIDROXICLOROQUINA



azithromycin



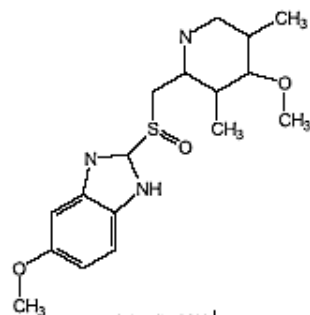
enalapril



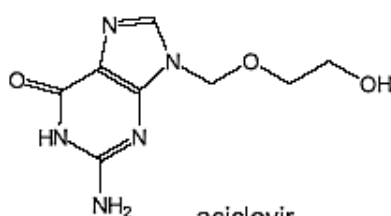
simvastatina



Amoxicilina



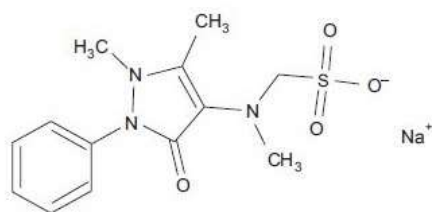
omeprazol



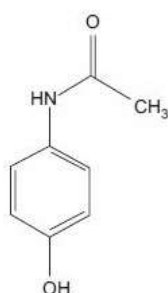
aciclovir



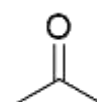
Aspartame



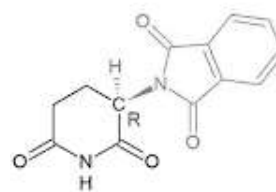
Diprona sódica



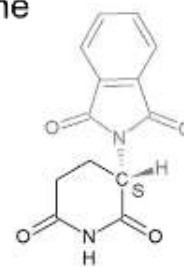
Paracetamol



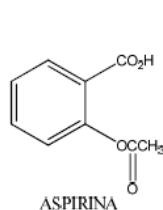
acetone



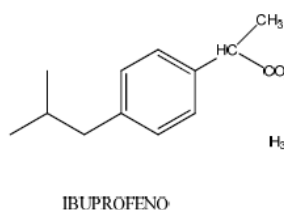
R-Talidomida



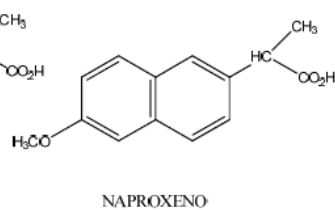
S-Talidomida



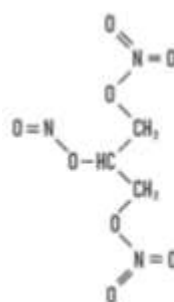
ASPIRINA



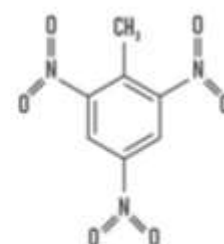
IBUPROFENO



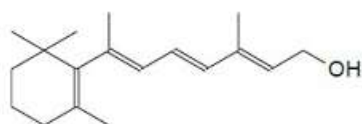
NAPROXENO



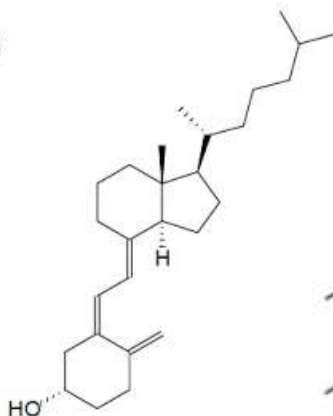
Nitroglicerina



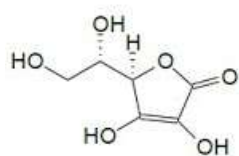
(TNT) Trinitrotolueno



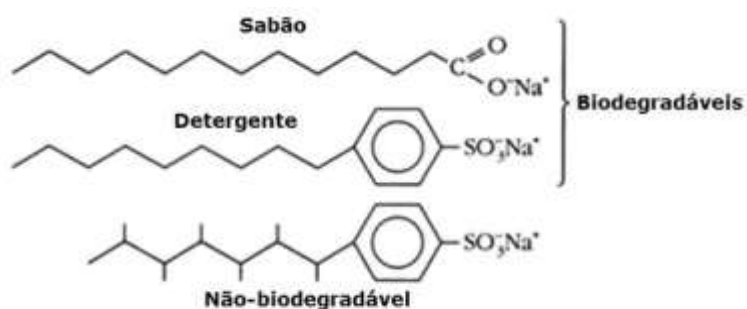
Vitamina A

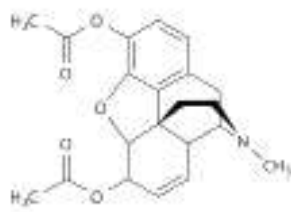


Vitamina D₃

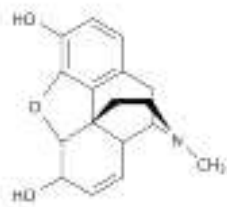


Vitamina C

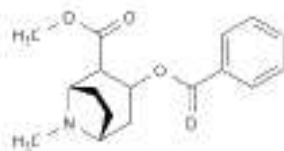




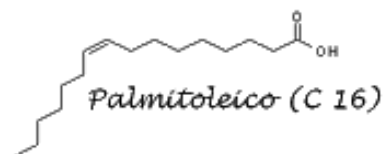
Heroin



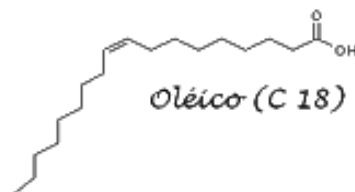
Morphine



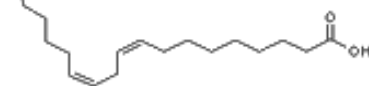
Cocaine



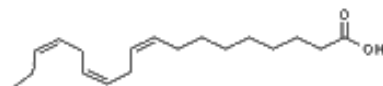
Palmitoleico (C 16)



Oléico (C 18)



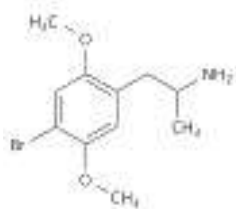
Linolênico (C 18)



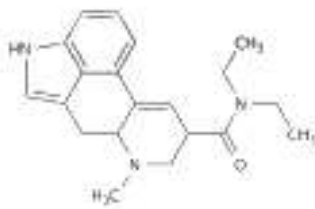
α -Linolênico (C 18)



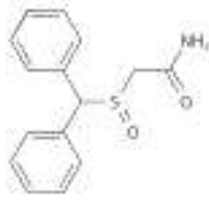
Araquidônico (C 20)



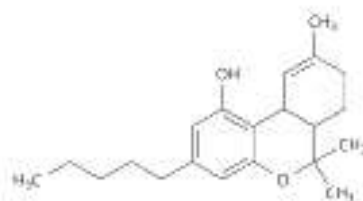
DOB



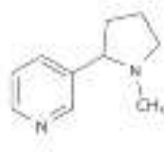
LSD



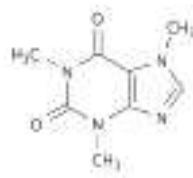
Modafinil



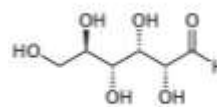
Tetrahydrocannabinol



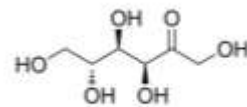
Nicotine



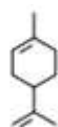
Caffeine



Glucose



Fructose



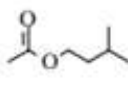
Limoneno
(citrico)



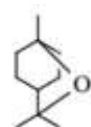
3-hexen-1-ol
(ervas)



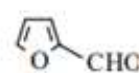
2,6-nonadien-1-al
(pepino)



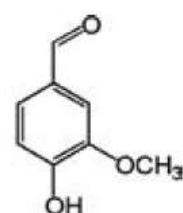
Acetato de
isoamila
(banana)



1,8-cineole
(eucalipto)



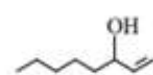
Furfural
(caramelo)



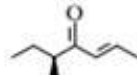
VANILINA



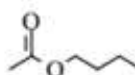
α -pineno
(coníferas)



1-octen-3-ol
(cogumelo)



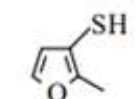
5-metil-(E)-2-
hepten-4-ona (avelã)



Acetato de butila
(maçã)



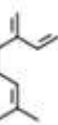
3,9-oxi-1-
p-menteno
(anis)



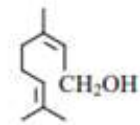
2-metil-3-
furanotiol
(rosbife)



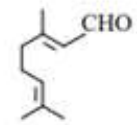
TEOBROMINA



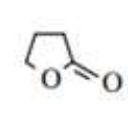
Mirceno
(citrico, fresco)



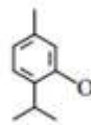
Nerol (limão)



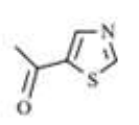
Geranial (limão)



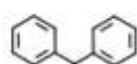
γ -butirolactona
(doce,
amanteigado)



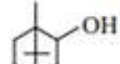
Timol
(tomilho)



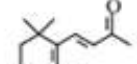
5-acetil-tiazol
(carne
grelhada)



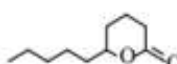
Difenil metano
(gerânio)



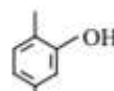
Borneol
(canforado)



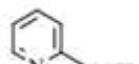
β -ionona (frutal)



δ -decalactona
(pêsigo)



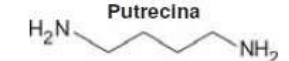
Carvacrol
(orégano)



2-acetil-piridina
(crosta de pão)

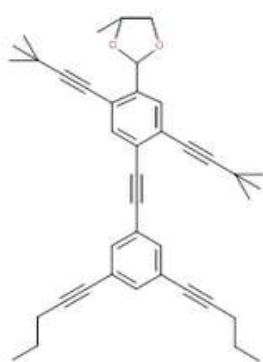


Cadaverina

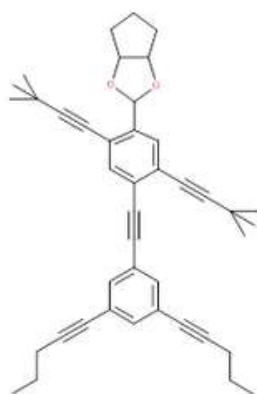


Putrecina

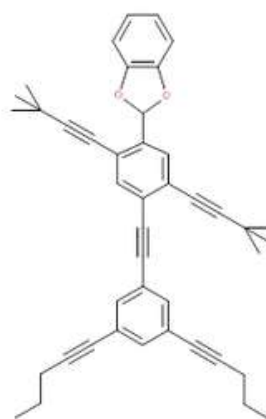
NanoPutians – Human-Like Molecules



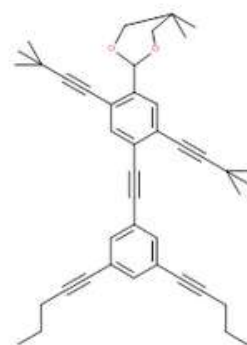
NanoGreenBeret



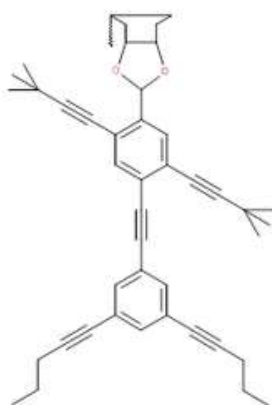
NanoJester



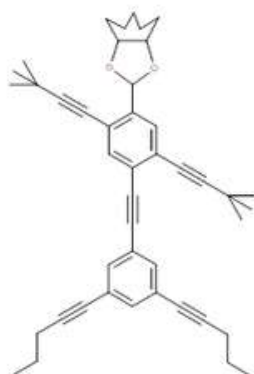
NanoChef



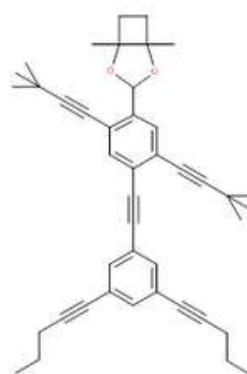
NanoAthlete



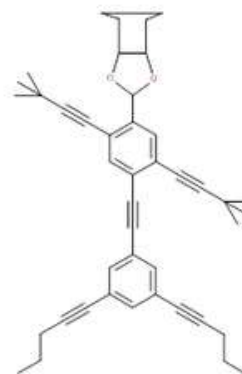
NanoScholar



NanoMonarch



NanoPilgrim



NanoBaker

