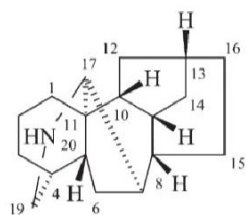


ZAŁĄCZNIK 3

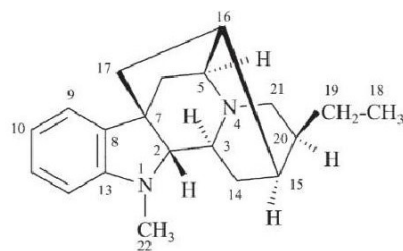
Struktury alkaloidów, steroidów, terpenoidów i podobnych związków wymienionych w Tabeli 10.1, P-101.2.7 i Rozdziale 10

Struktury oznaczone dwoma gwiazdkami ** w CAS nazywa się systematycznie.

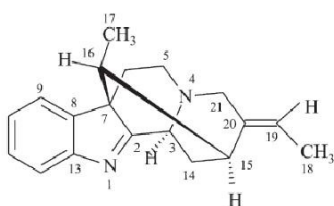
1. Alkaloidy



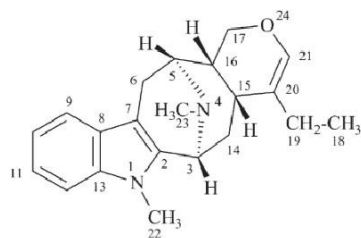
akonitan



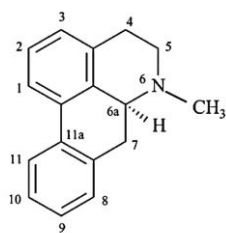
ajmalan



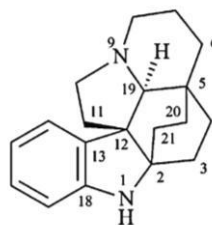
akuamilan**



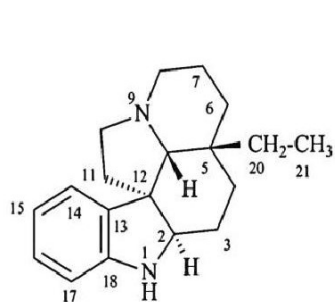
alstofilan**



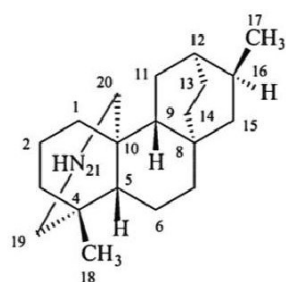
aporfina**



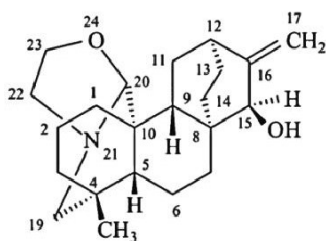
aspidofraktynina**



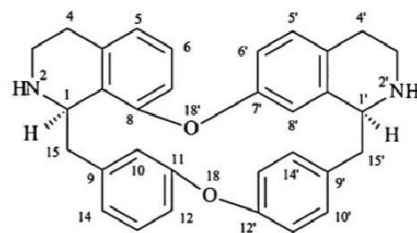
aspidospermidyna



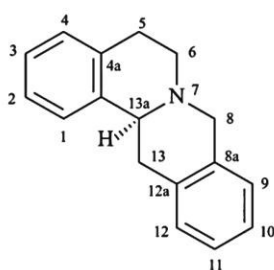
atydan**††



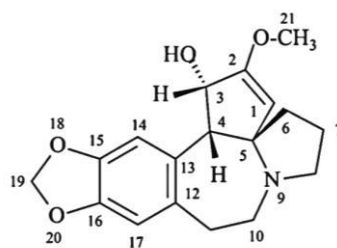
atyzyna**



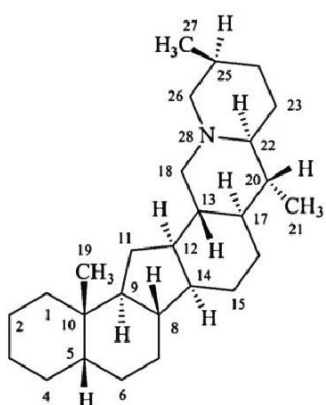
berbaman**



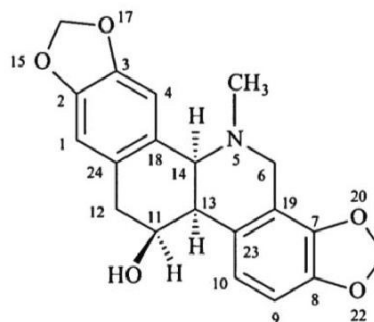
berbina**



cefalotaksyna

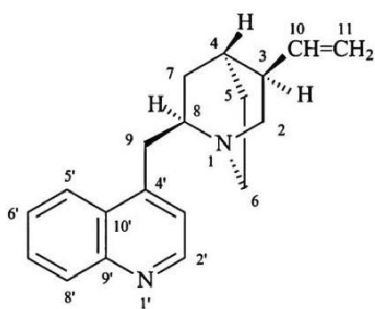


kewan

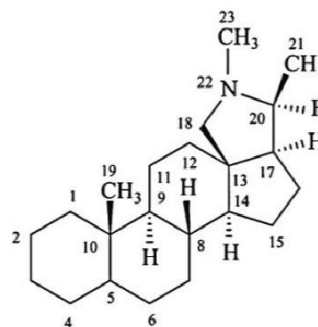


chelidonina**

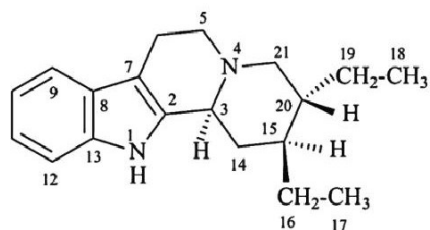
††Ta struktura jest poprawioną strukturą zamieszczoną w Revised Section F: Natural Products and Related Compounds (IUPAC: Recommendations 1999), *Pure and Appl. Chem.*, **71**, 587–643 (1999), w której brak było grupy 4β-metylowej.



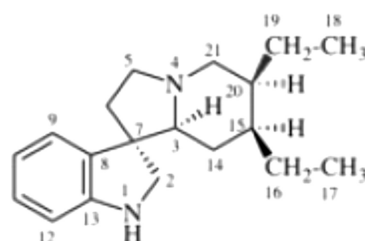
cynchonane**



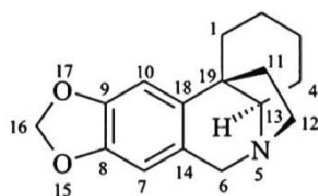
konanina



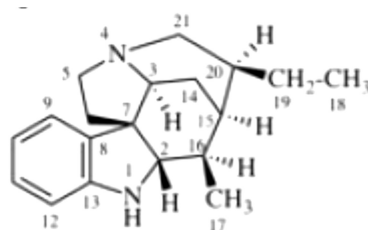
korynan**



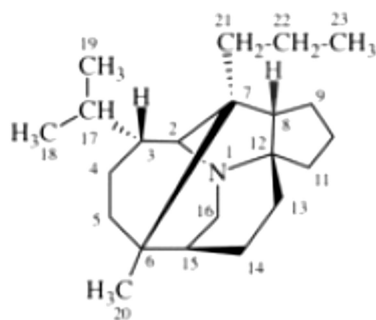
korynoksan**



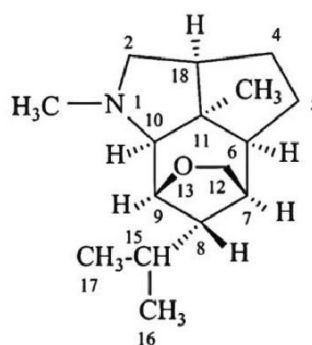
krynan**



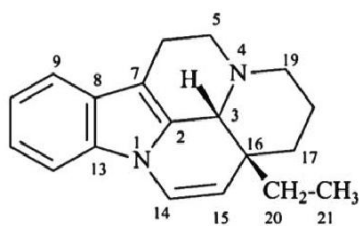
kuran



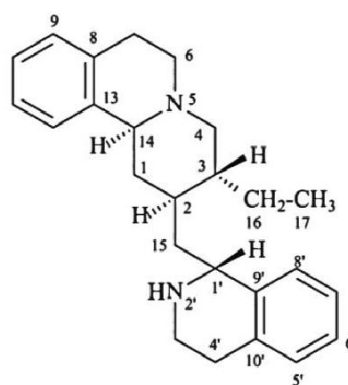
dafnan**



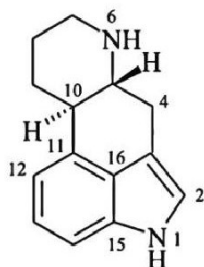
dendroban**



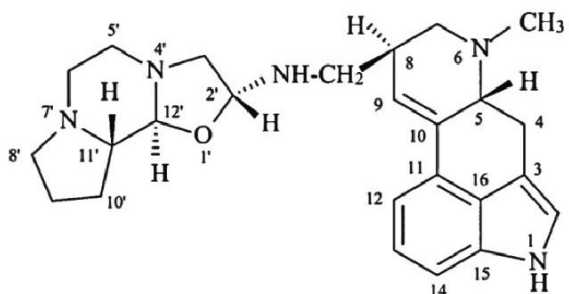
eburnamenina



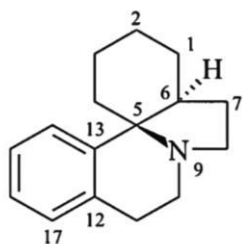
emeta



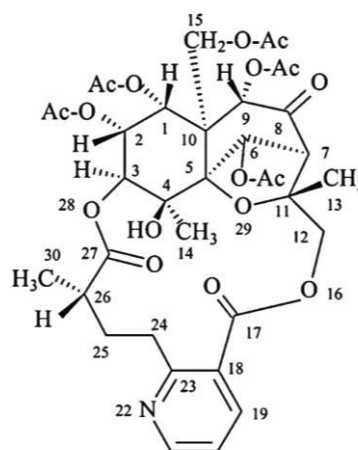
ergolina



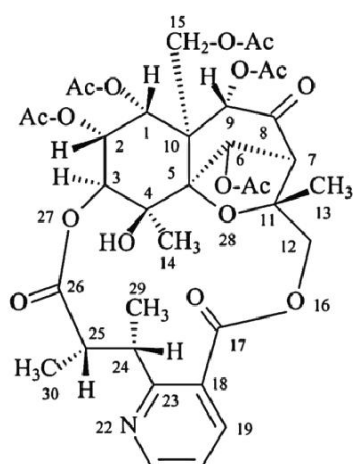
ergotaman



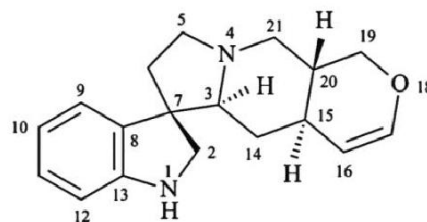
erytrynan



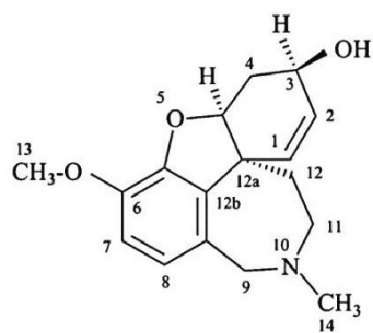
ewonimina**



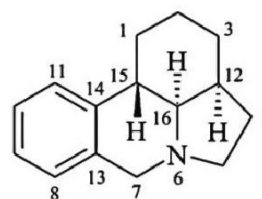
ewonina**



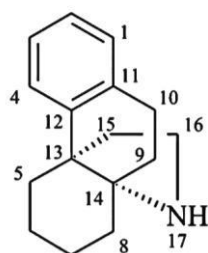
formozanan**



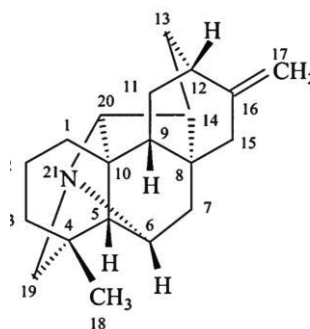
galantamina**



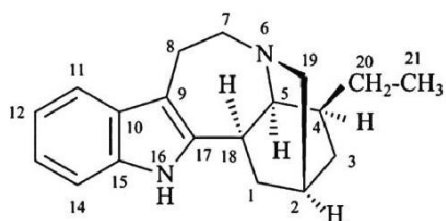
galantan**



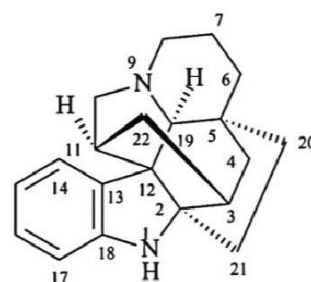
hasubanan



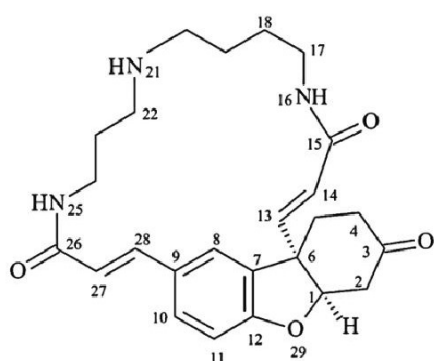
hetyzan



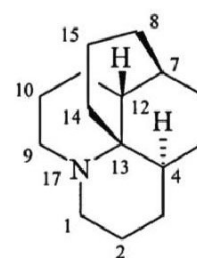
ibogamina



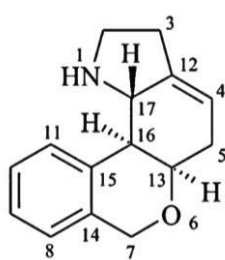
kopsan**



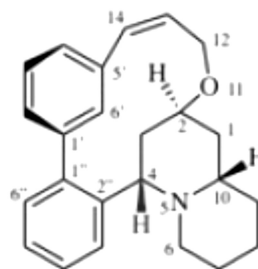
lunaryna**



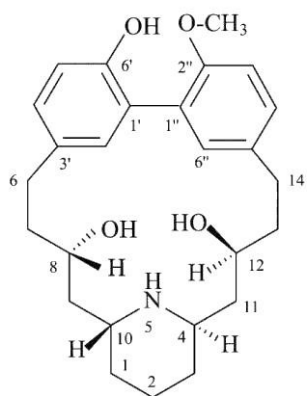
likopodan**



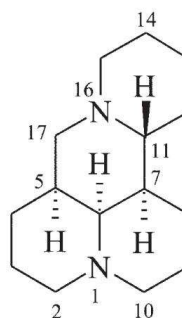
likorenan**



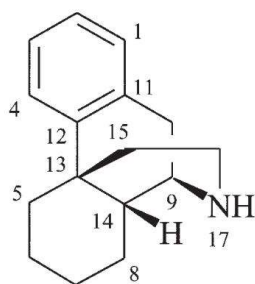
litran**



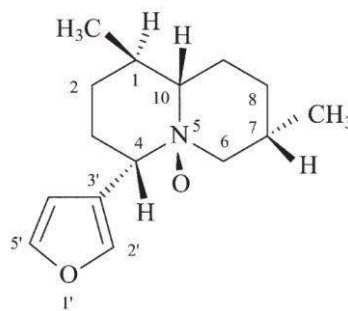
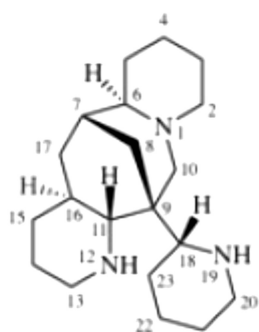
litranidyna**



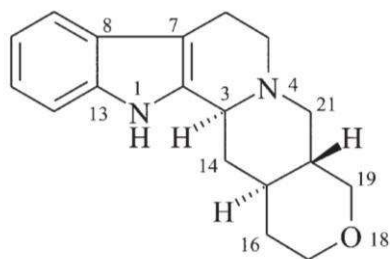
matrydyna**



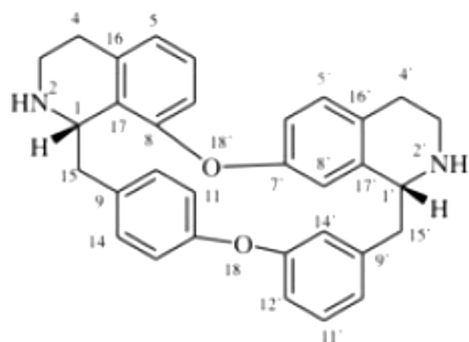
morfinan

nutarydyna^{ττ}

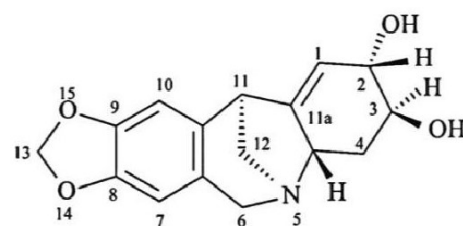
ormosanina**



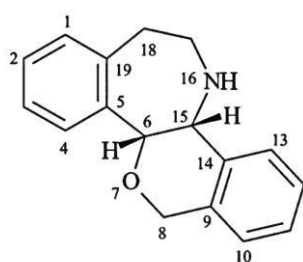
18-oksajohimban



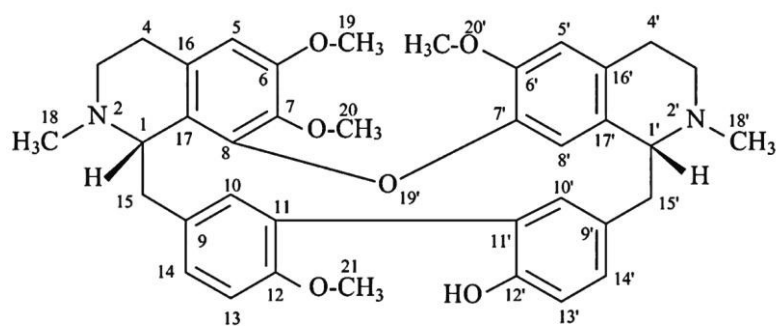
oksyakantan**



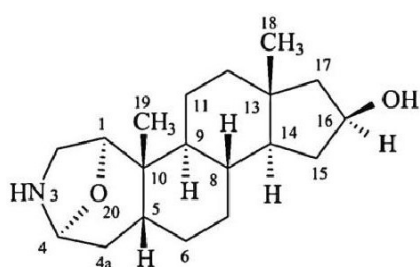
pankracyna**



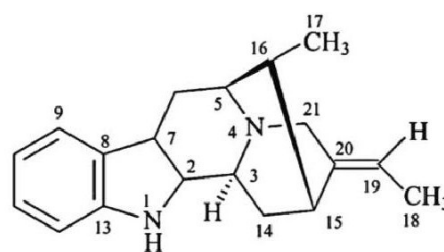
readan**



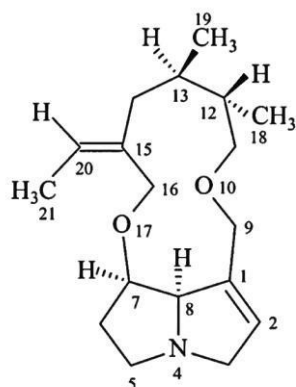
rodiazyna**



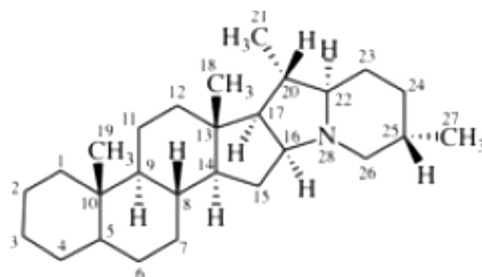
samandaryna**



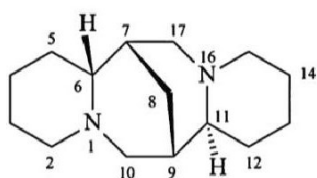
sarpagan



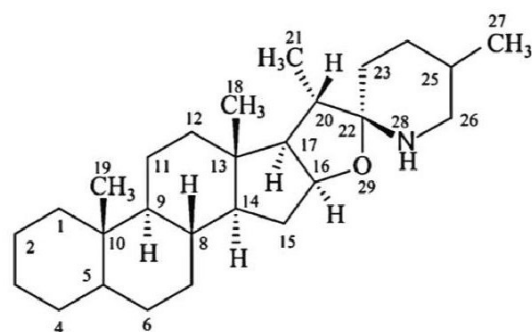
senecjonan**



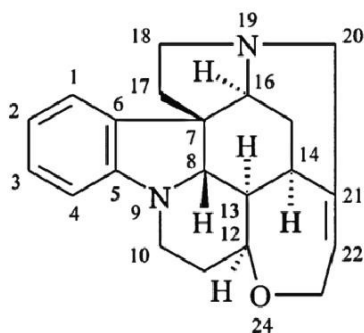
solanidan



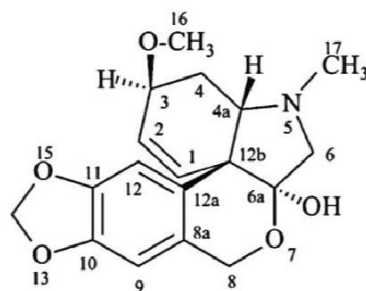
sparteina**



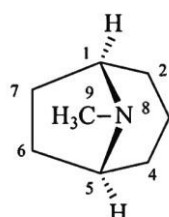
spirosolan††



strychnidyna

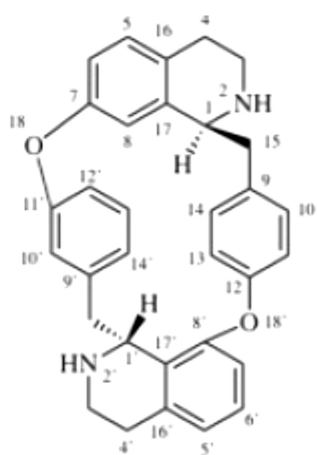


tazetyna**

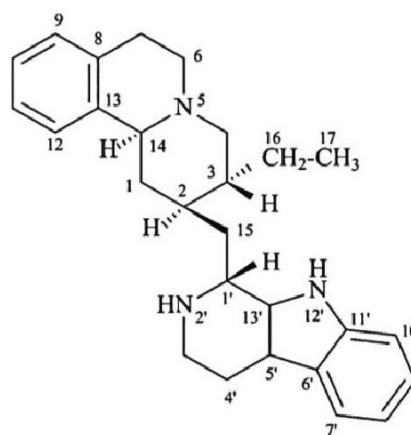


tropan**

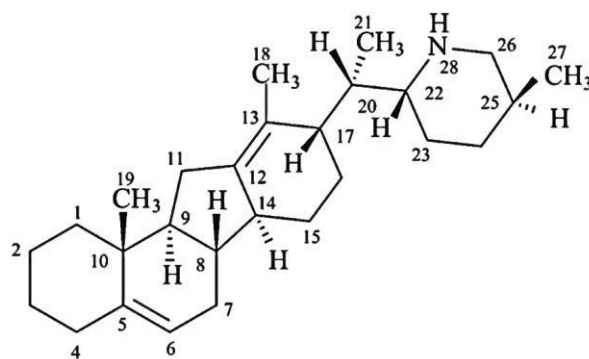
†† Dla tej struktury nazwa CAS wymaga określenia chiralności w pozycji C-22



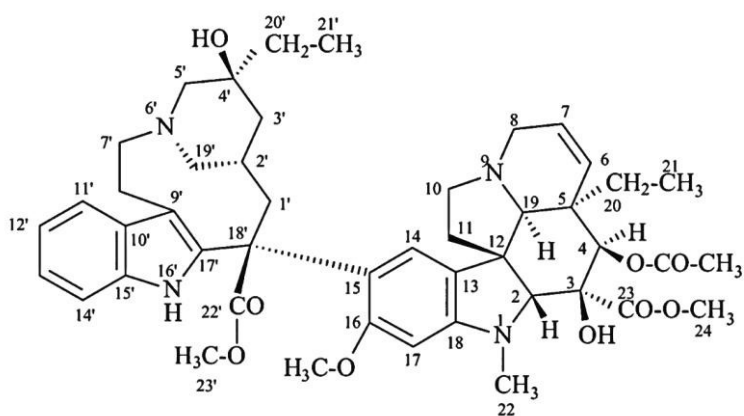
tubokuraran**



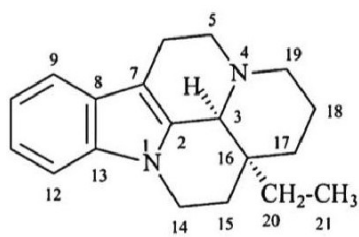
tubulozan**



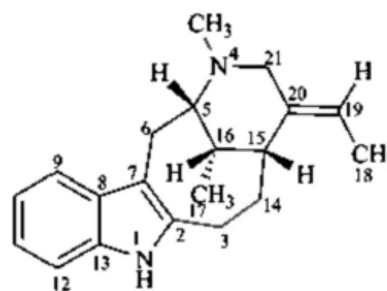
weratraman



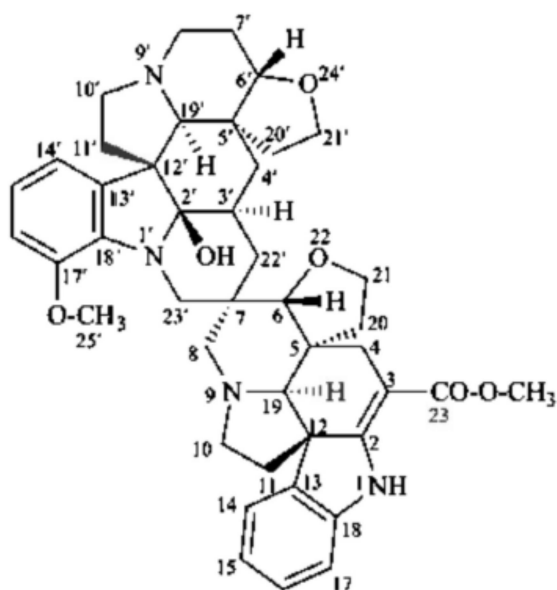
winkaleukoblastyna



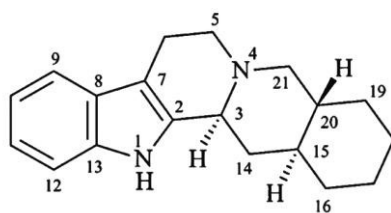
winkan**



wobazan

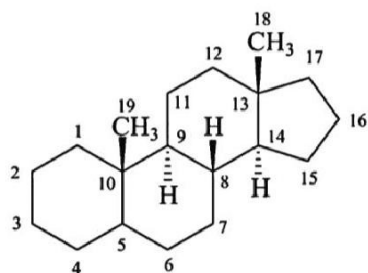


wobtuzyna **

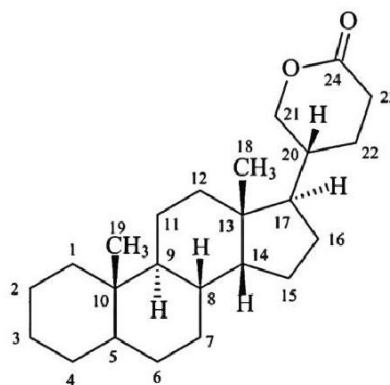


johimban

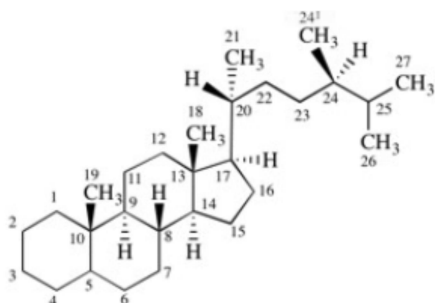
2. Steroidy



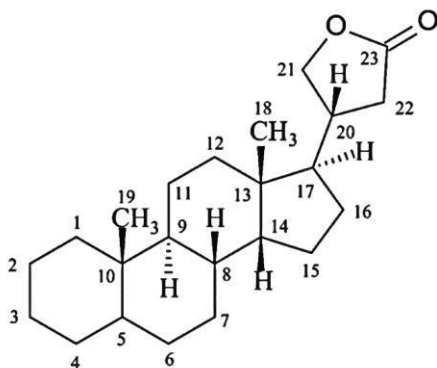
androstan



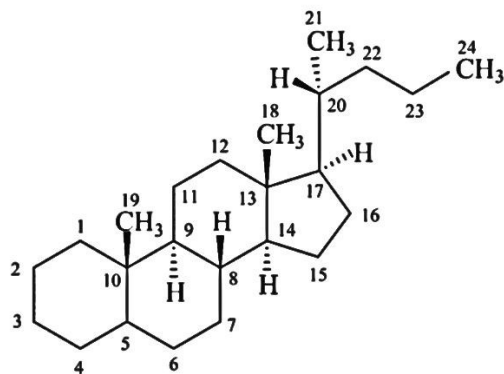
bufanolid



kampestan††

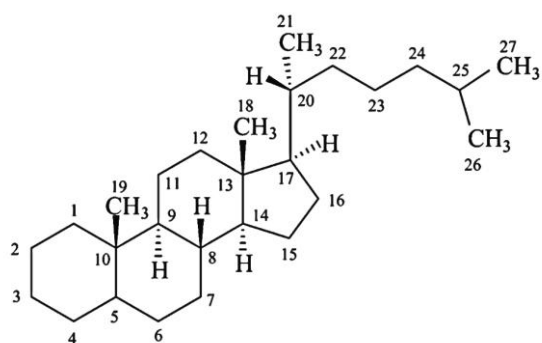


kardanolid**

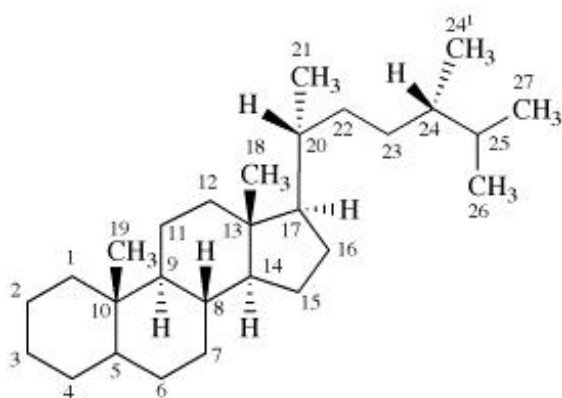


cholan

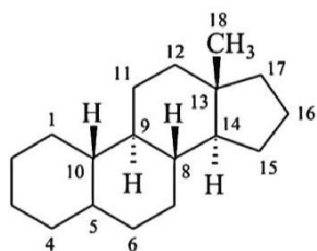
†† Ta macierzysta struktura w CAS nazywa się jako stereoizomer ergostanu, w którym lokant 24¹ jest 28.



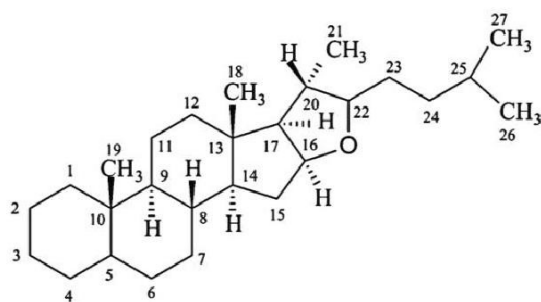
cholestan



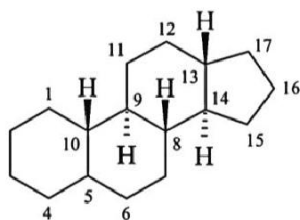
ergostan



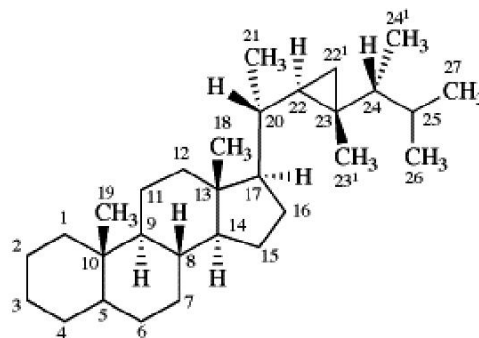
estran



furostan

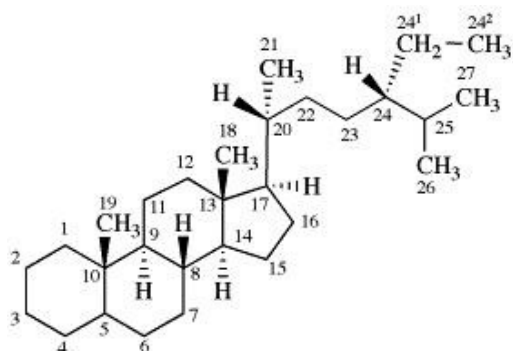
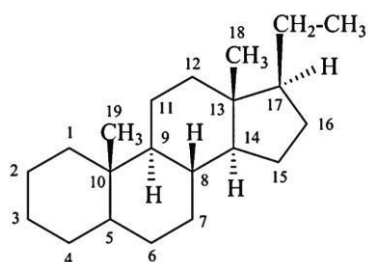


gonan

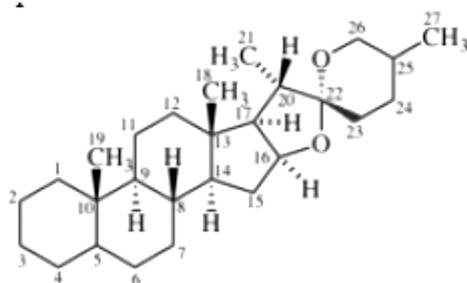


gorgostan*

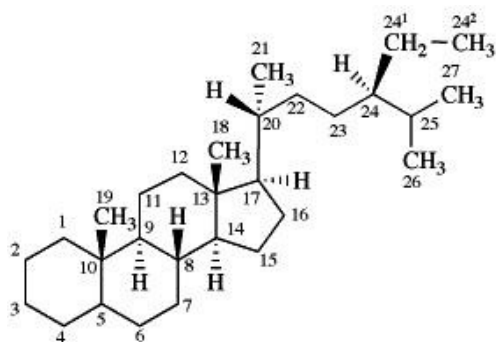
* W CAS lokanty 22¹, 23¹ i 24¹ są, odpowiednio 34, 33, i 28.

poryferastan^{††}

pregnan



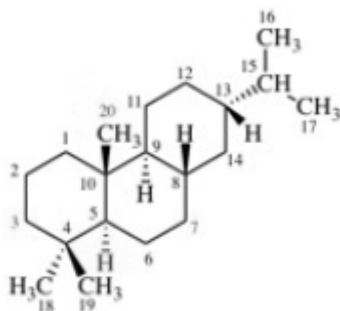
spirostan



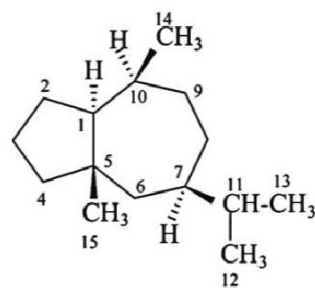
stigmastan

^{††} Ta macierzysta struktura w CAS nazywa się jako stereoizomer stigmastanu, w którym lokanty 24¹ i 24² są odpowiednio 28 i 29.

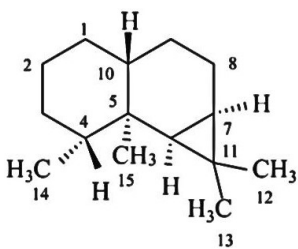
3. Terpenoidy



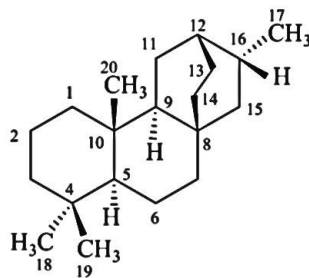
abietan**



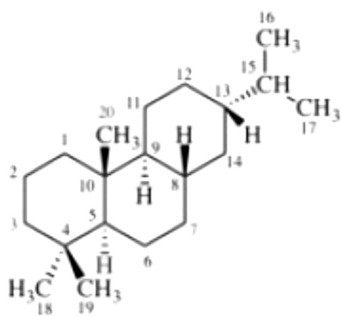
ambrozan**



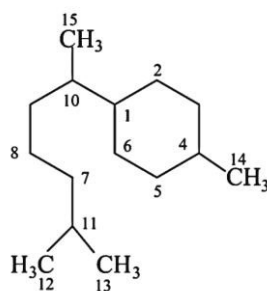
arystolan



atyzan

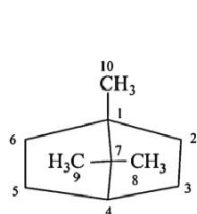


bejeran††

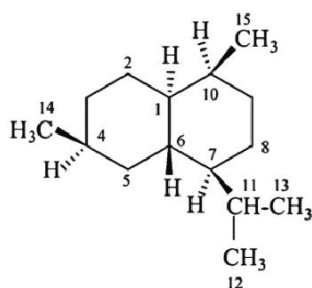


bisabolan**

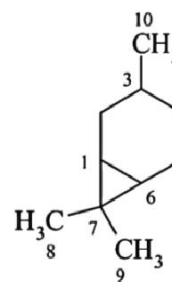
†† Dla tej struktury nazwa CAS wywodzi się z kauranu



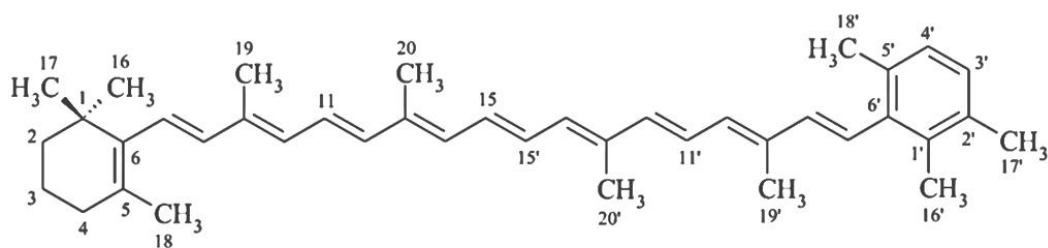
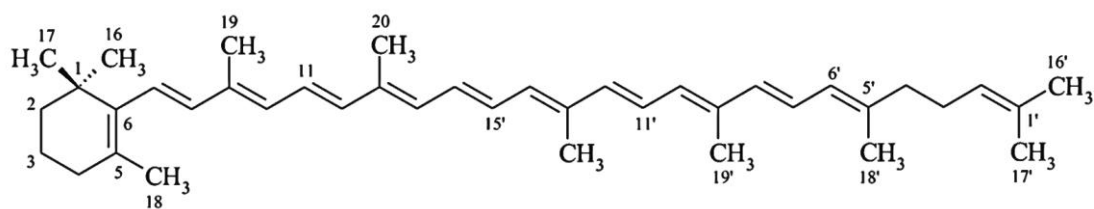
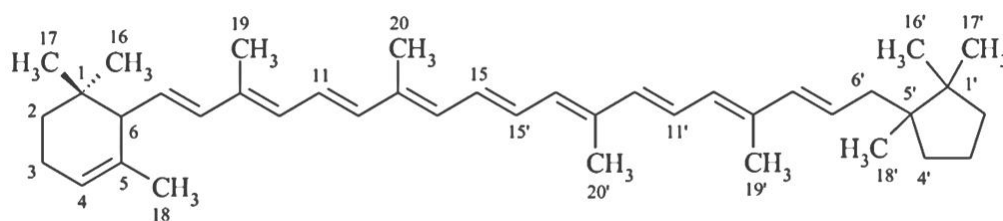
bornan**

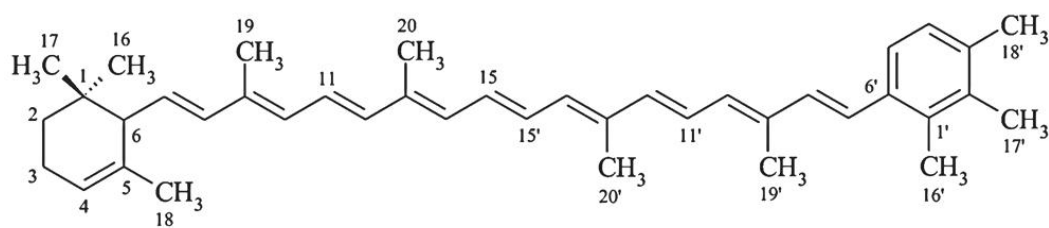


kadinan**

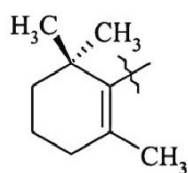
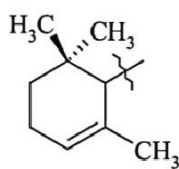
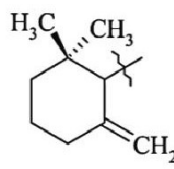
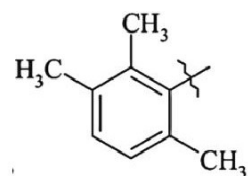
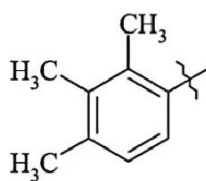
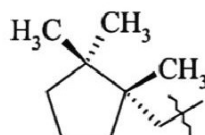
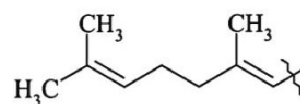
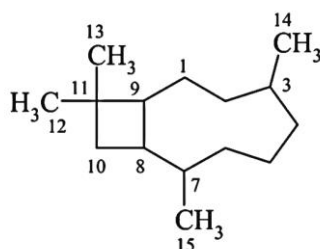


karan**

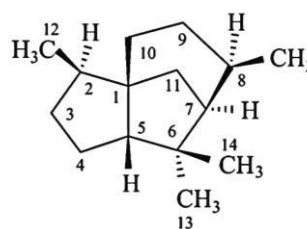
 β,ϕ -karoten β,ψ -karoten ϵ,κ -karoten

 ϵ, χ -karoten

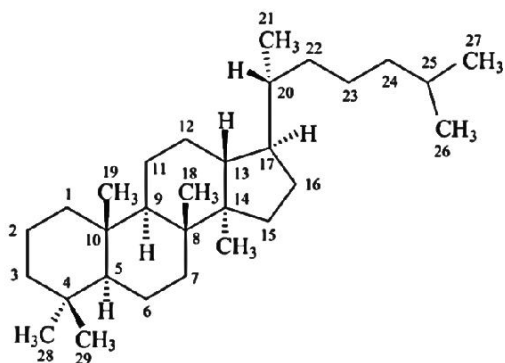
Uwaga: Możliwych jest 28 macierzystych struktur karotenu. Cztery z nich pokazano powyżej. 28 struktur powstaje w wyniku wszystkich permutacji siedmiu, pokazanych poniżej, grup końcowych.

 β (beta) ϵ (epsilon) γ (gamma) ϕ (phi) χ (chi) κ (kappa) ψ (psi)

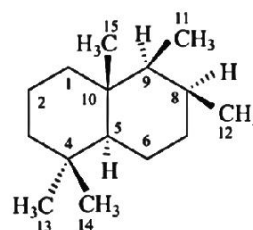
kariofilan**



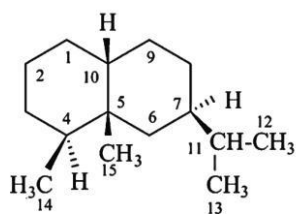
cedran**



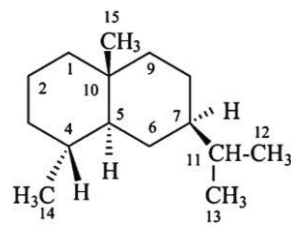
dammaran



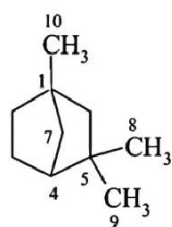
dryman**



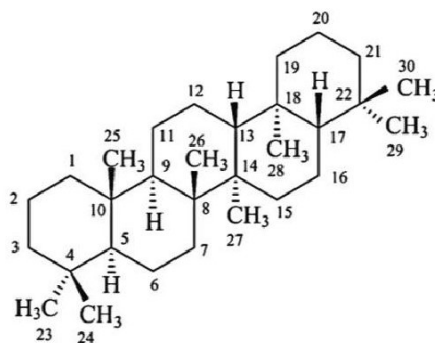
eremofilan**



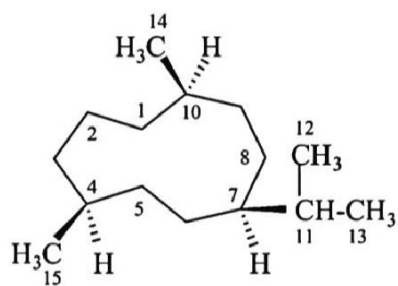
eudesman**



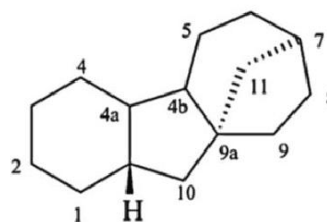
fenchan**



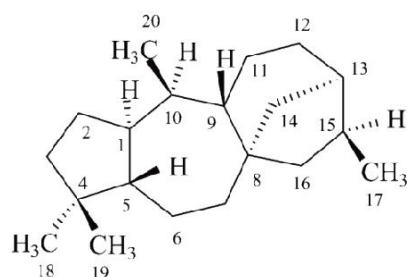
gammakeran



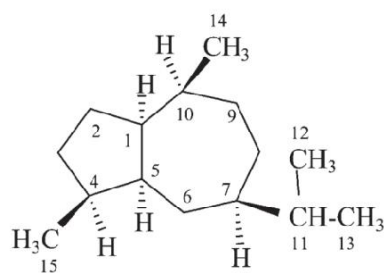
germakran**



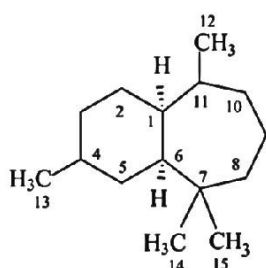
giban



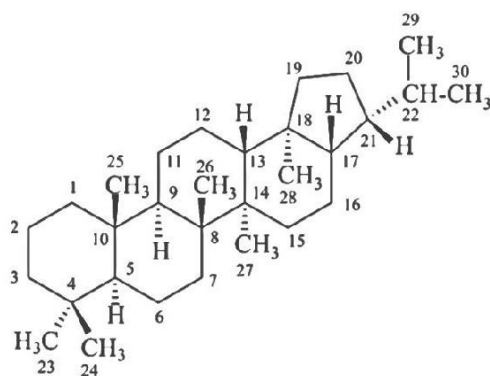
grajanotoksan



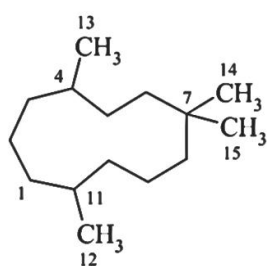
guajan**



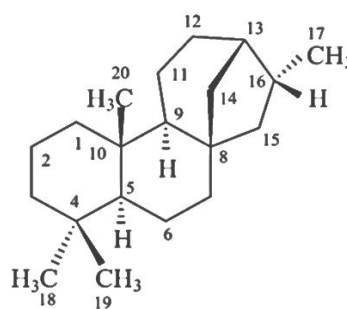
himachalan**



hopan††



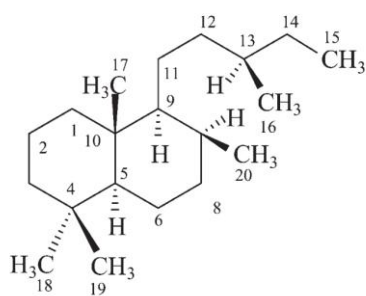
humulan**



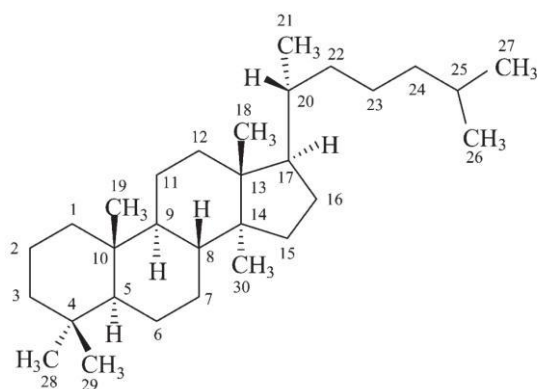
kauran‡

†† Nazwa tych struktur w CAS opiera się na gammakeranie

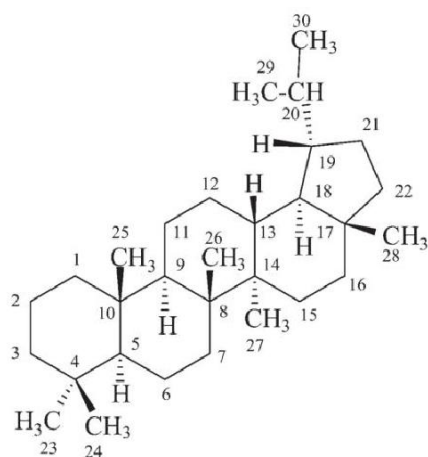
‡ Nazwą tej struktury w CAS jest *ent*-stereoizomer



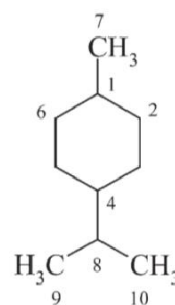
labdan**

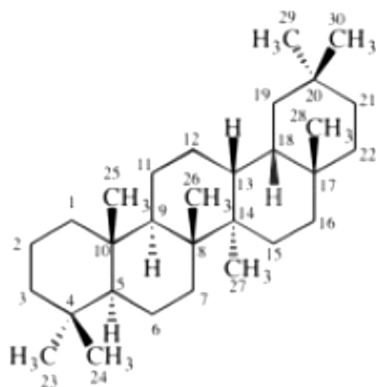


lanostan

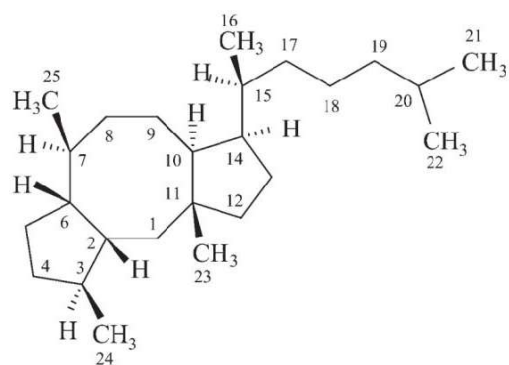


lupan

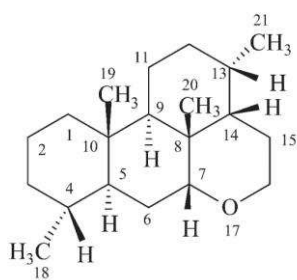
*p*-mentan**



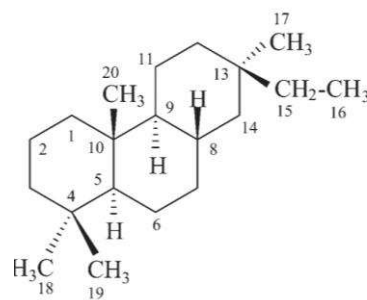
oleanan



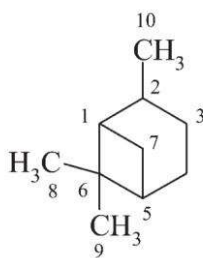
ofiobolan**



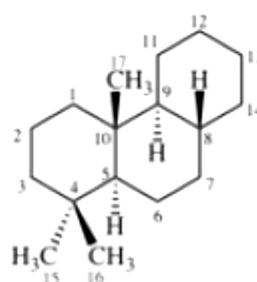
pikrasan



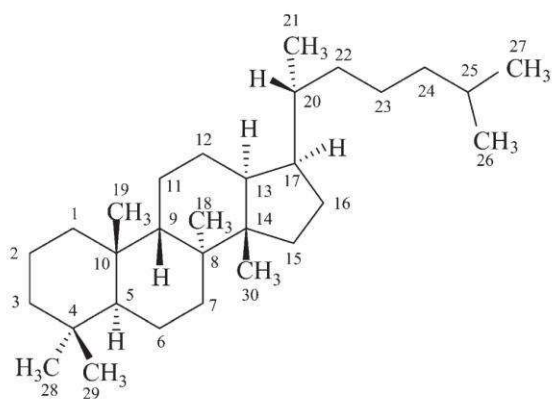
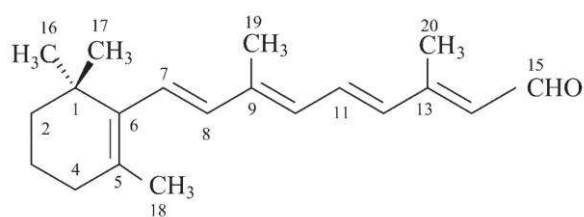
pimarane**



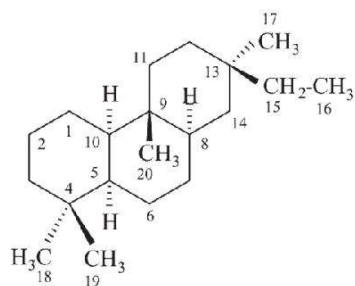
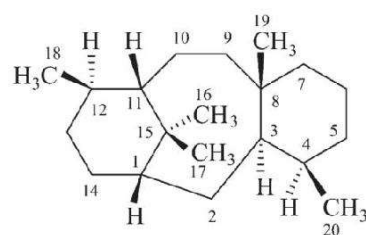
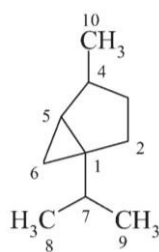
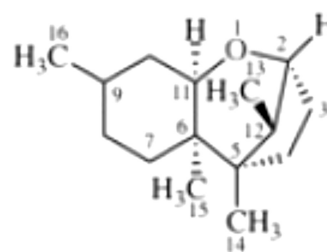
pinane**



podocarpane**

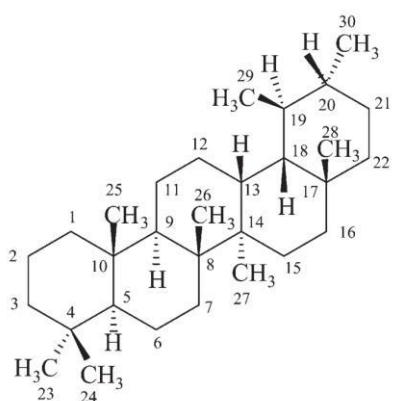
protostan^{††}

retinal

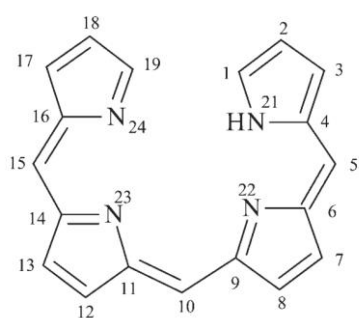
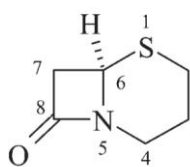
rozan^{**}taksan^{**}tujan^{**}

trychotekan

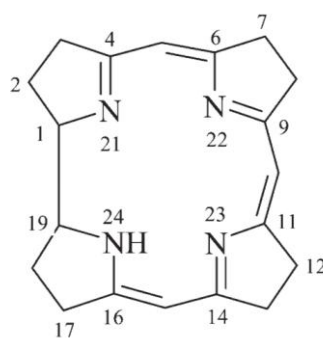
^{††}Ta struktura w CAS jest nazywana jako stereoizomer damaranu



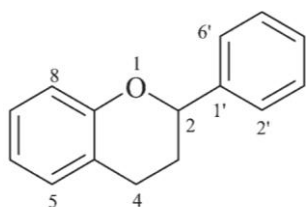
ursan

21*H*-bilin

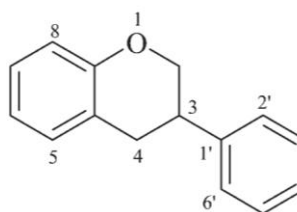
cefam**



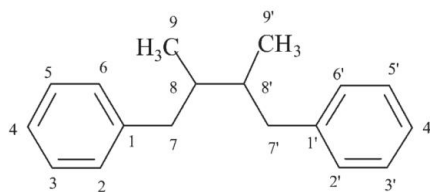
korryn



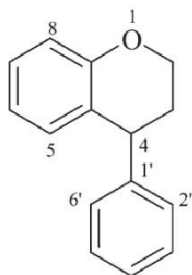
flawan**



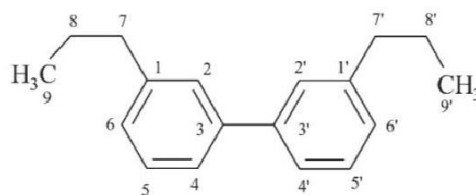
izoflawn**



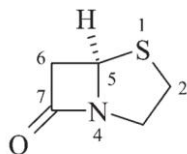
lignan
[wyłącznie z wiązaniem 8,8' (β,β')]



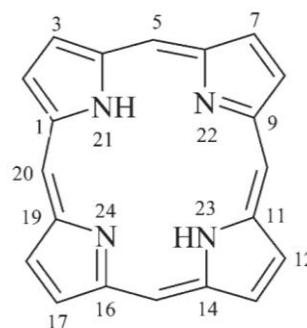
neoflavan**



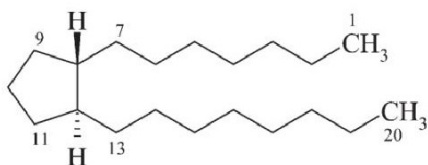
3,3'-neolignan
[i inne struktury nie połączone wiązaniem 8,8' (β,β')]



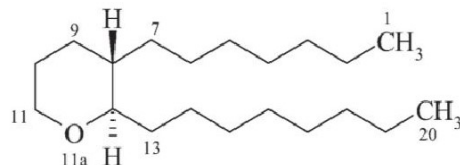
penam**



porfiryne††



prostan



tromboksan**

†† Tą strukturę w CAS nazywa się wywodzi się z nazwy macierzystej porfina