

Fig 2.

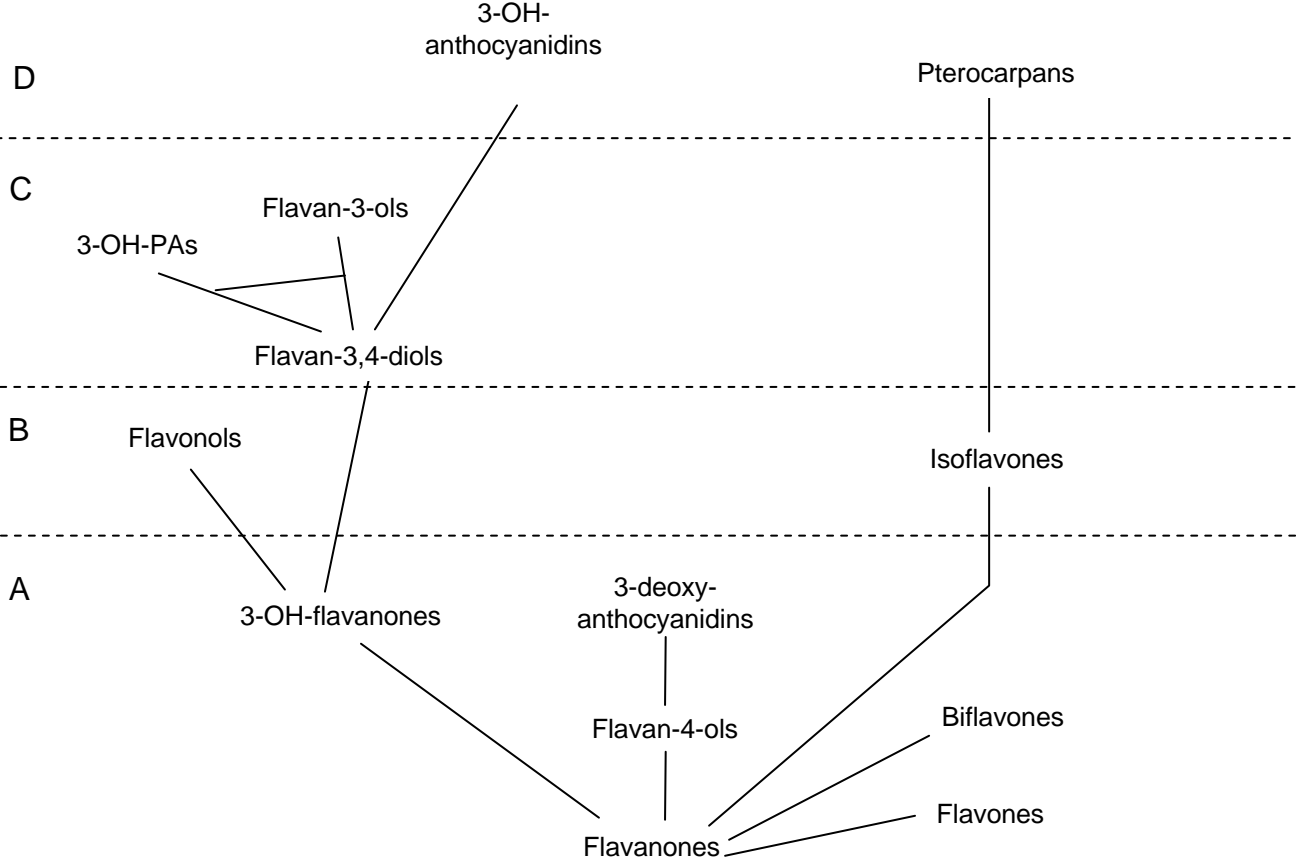


Fig 3.

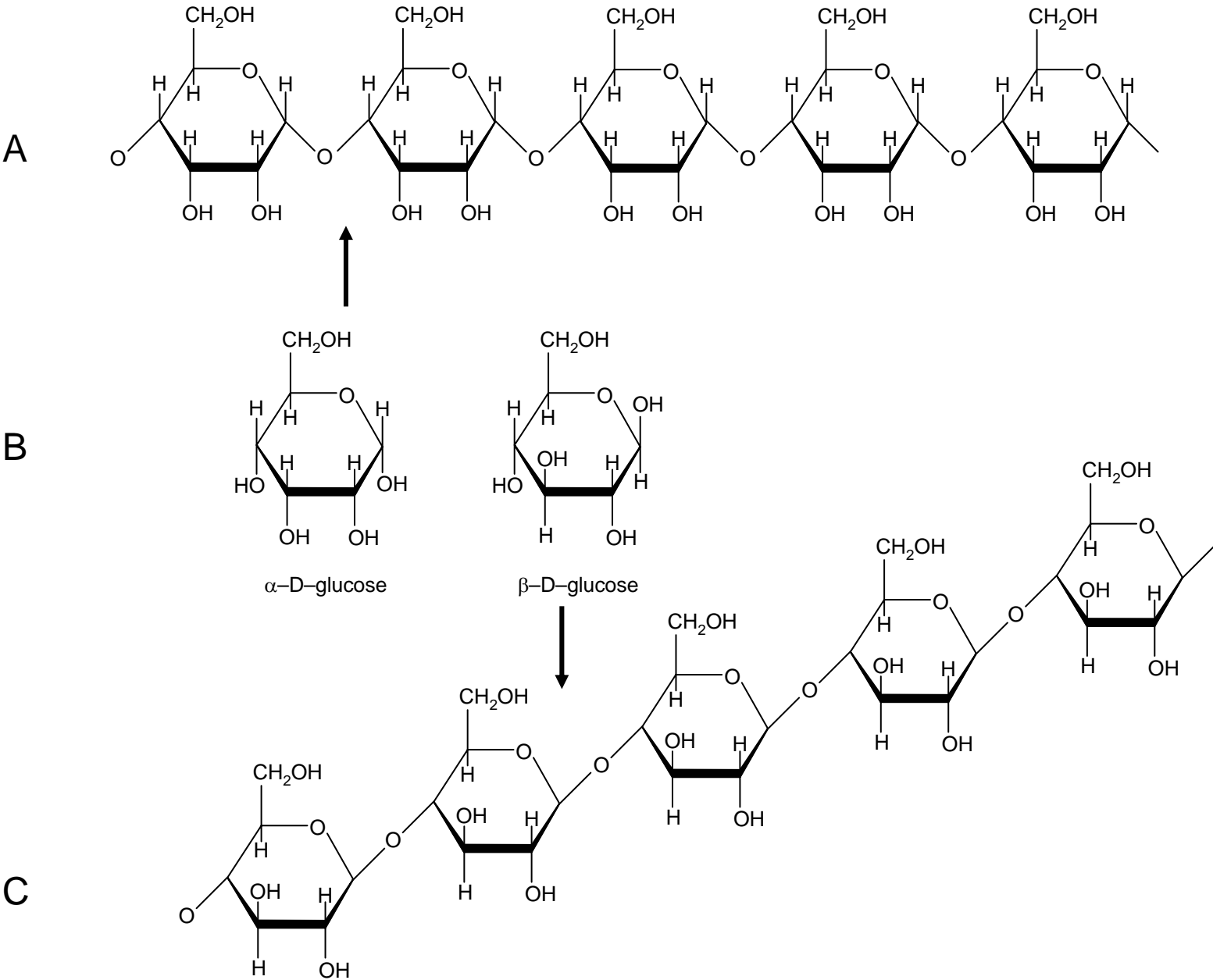


Fig 4.

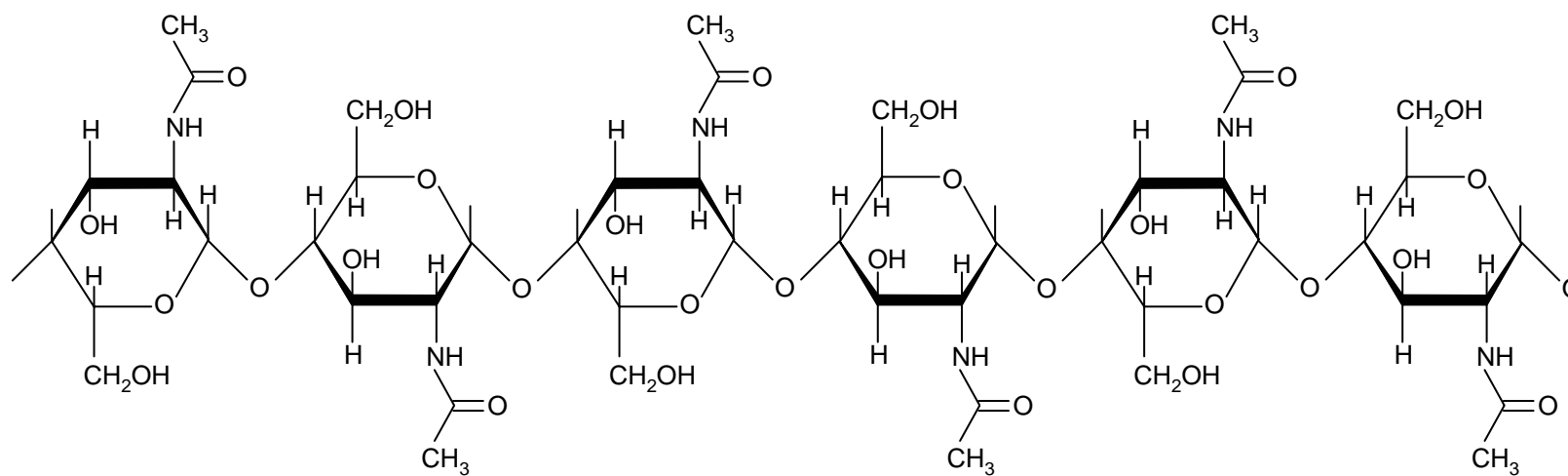
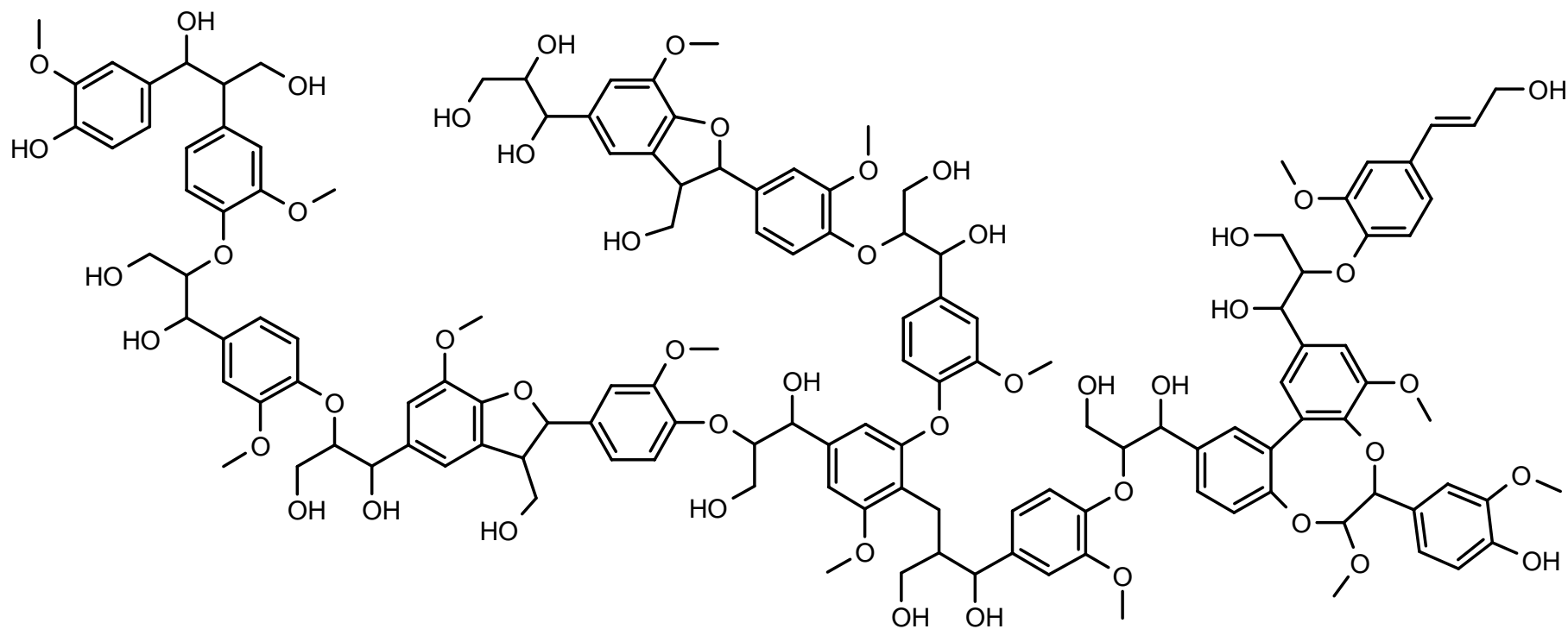
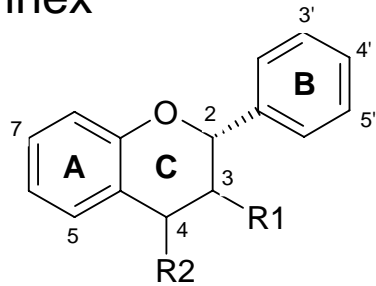


Fig 5.

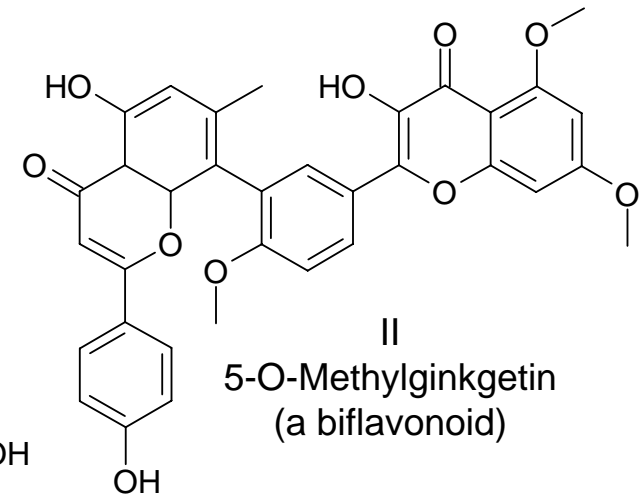


Annex

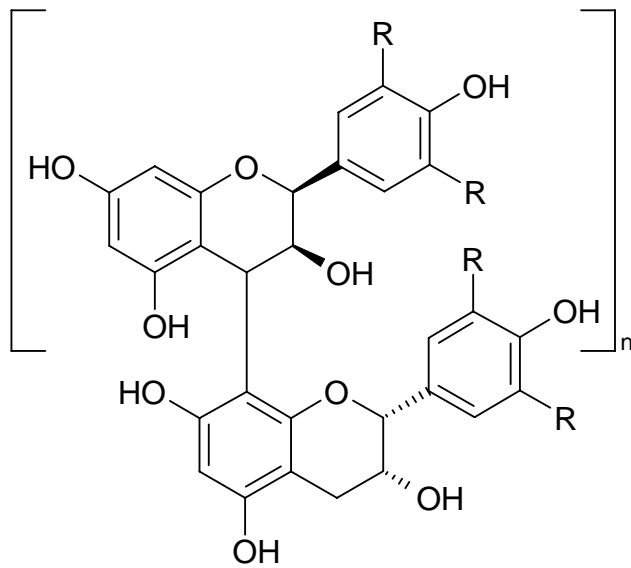


I
Flavonoid backbone

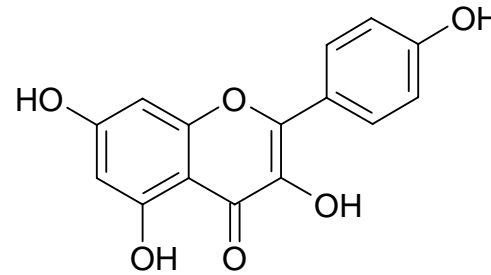
- Flavanone:** R1, H; R2, C=O
- 3-OH-Flavanone:** R1, OH; R2, C=O
- Flavan-3-ol:** R1, OH; R2, H
- Flavone:** C₂=C₃; R1, H; R2, C=O
- Flavonol:** C₂=C₃; R1, OH; R2, C=O
- Anthocyanidin:** O₁=C₂; C₃=C₄; R2, H or OH; positive charge on C-ring
- Isoflavanone:** Aryl migration to C₃; R2, C=O



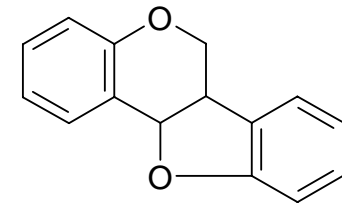
II
5-O-Methylginkgetin
(a biflavonoid)



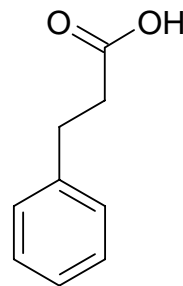
V
Anthocyanidin (condensed Tannin)



III
Kaempferol

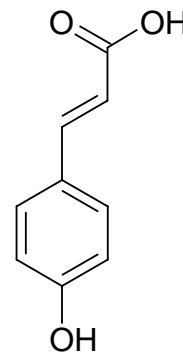


IV
Pterocarpan backbone



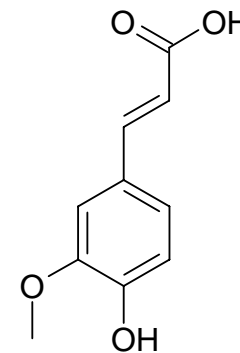
VI

Hydrocinnamic acid



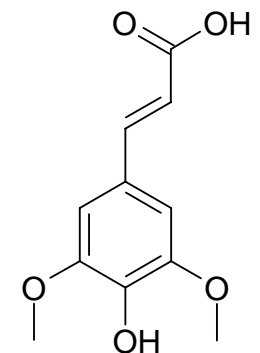
VII

p-Coumaric acid



VIII

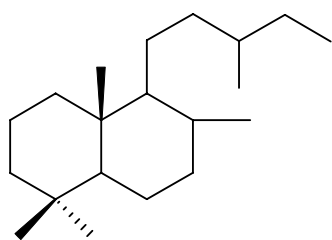
Ferulic acid



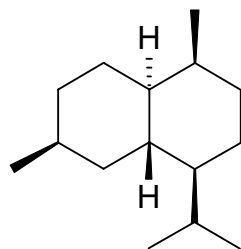
IX

Sinapic acid

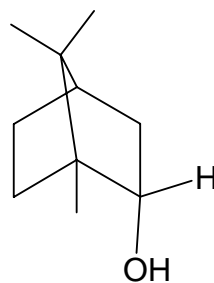
Annex



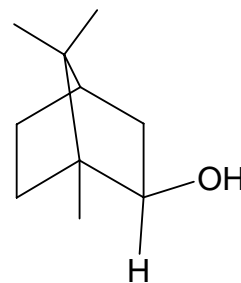
X
Labdanoid backbone



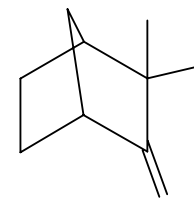
XI
Cadinane



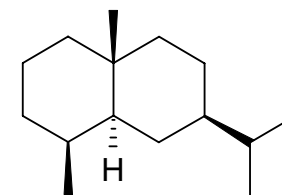
XII
Borneol



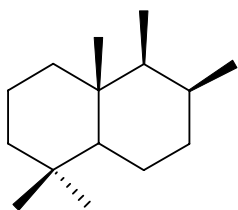
XIII
Isoborneol



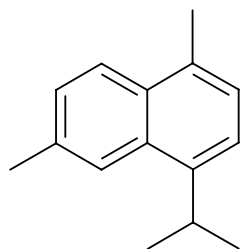
XIV
Camphene



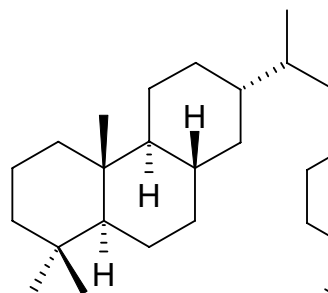
XV
Eudesmane



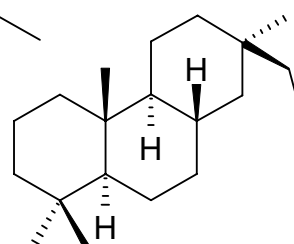
XVI
Drimane



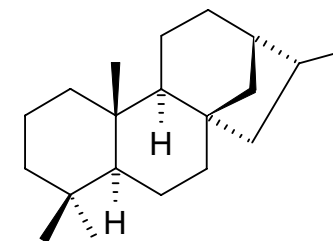
XVII
Cadalene



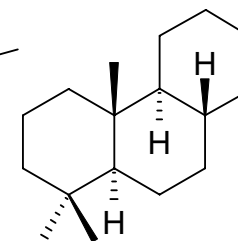
XVIII
Abietane



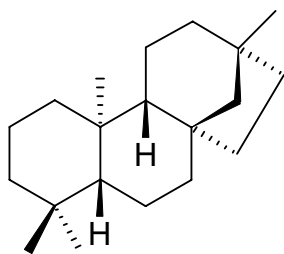
XIX
Pimarane



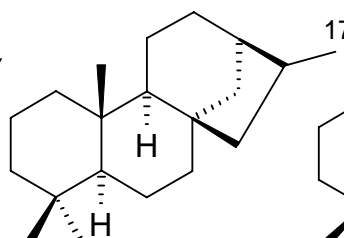
XX
Kaurane



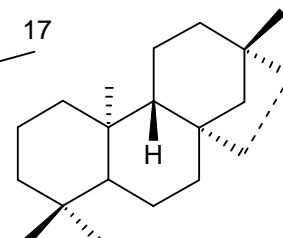
XXI
Podocarpane



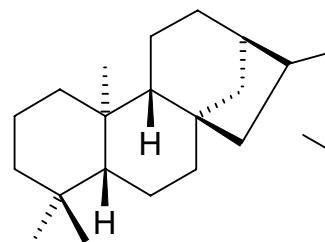
XXII
Beyerane



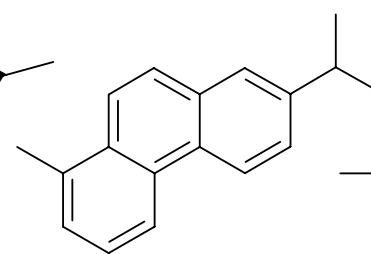
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Phyllocladane



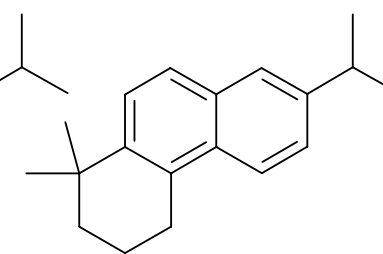
XXIV
ent-Beyerane



XXV
ent-Kaurane

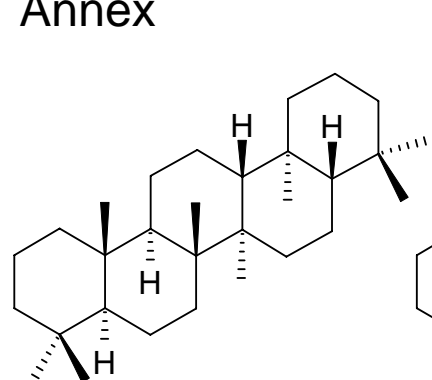


XXVI
Retene

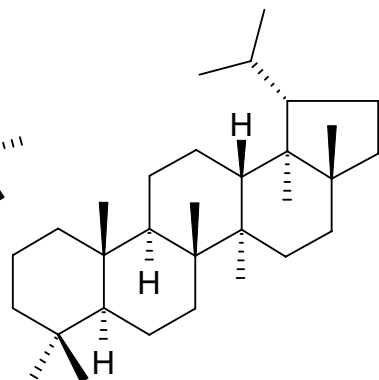


XXVII
Simonellite

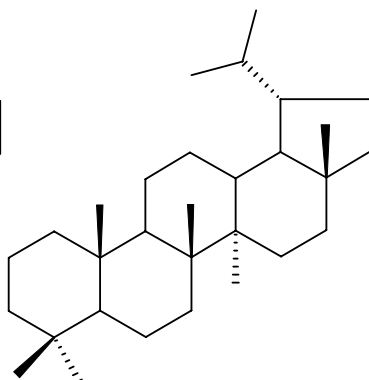
Annex



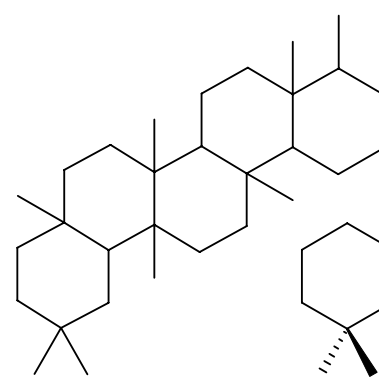
XXVIII
Gammacerane



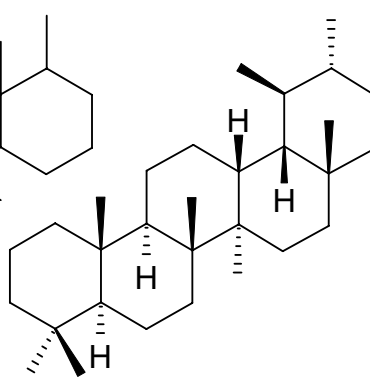
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Oleanane



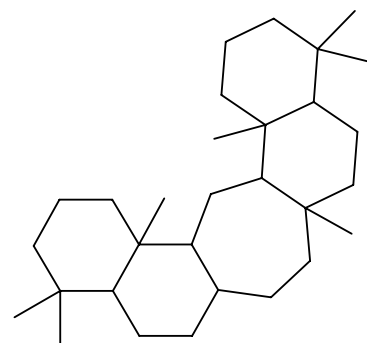
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Lupane



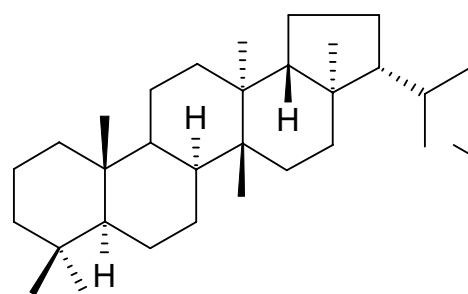
XXXI
Friedelane



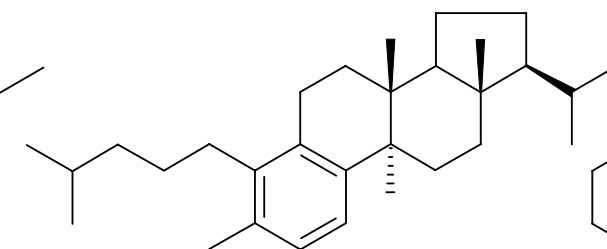
XXXII
Ursane



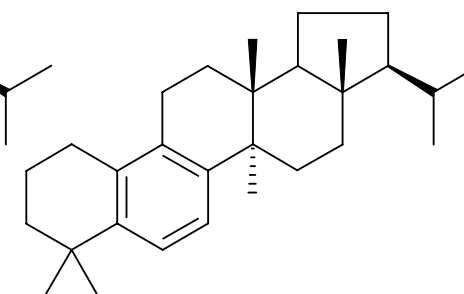
XXXIII
Serratane



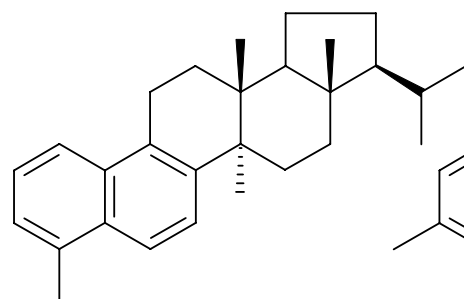
XXXIV
Fernane



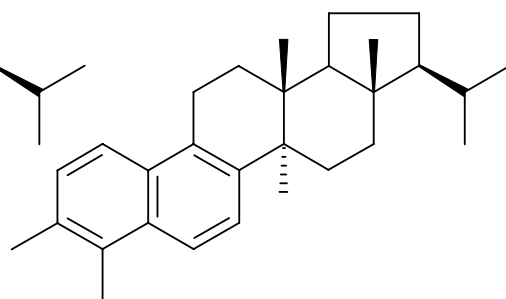
XXXV
MAPH



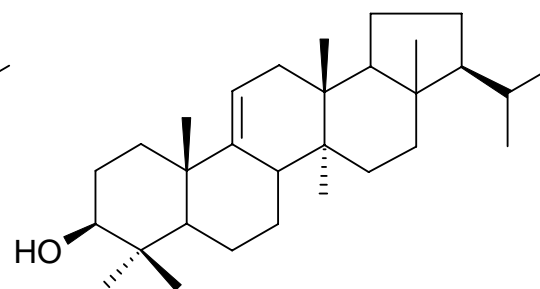
XXXVI
MATH



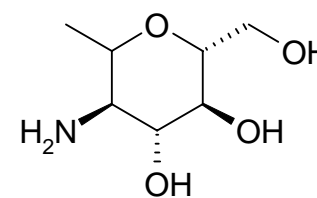
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DAPH 1



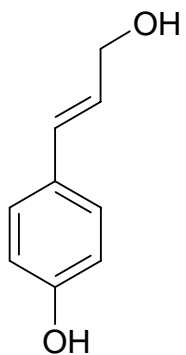
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DAPH 2



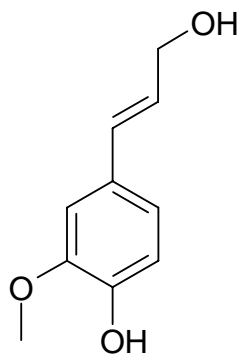
XXXIX
Isoarborinol



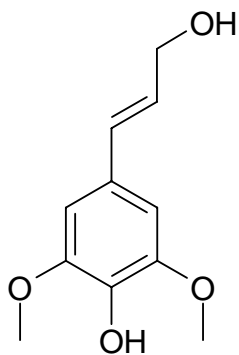
XXXX
D-glucosamine



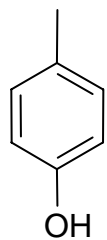
XXXXI
p-Coumaryl
alcohol



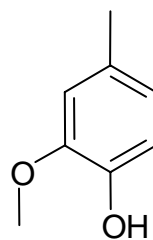
XXXXII
Coniferyl
alcohol



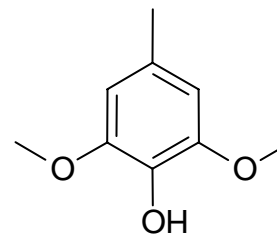
XXXXIII
Sinapyl
alcohol



XXXXIV
p-Coumaryl
unit



XXXXV
Guiacyl / Vanillyl
unit



XXXXVI
Syringyl
unit

