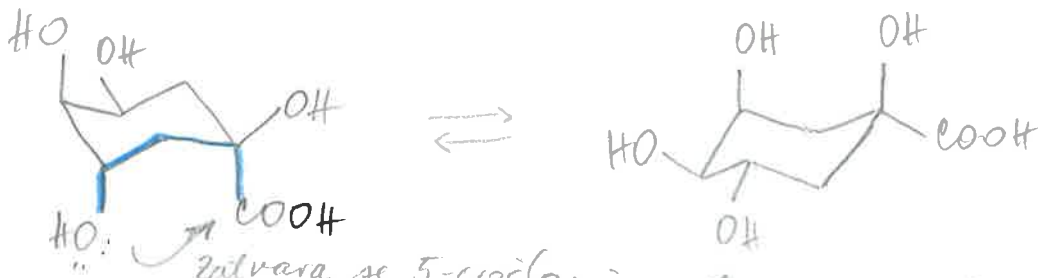


POLI FENOLI

ZADACI - sljedovi 28-29

①.

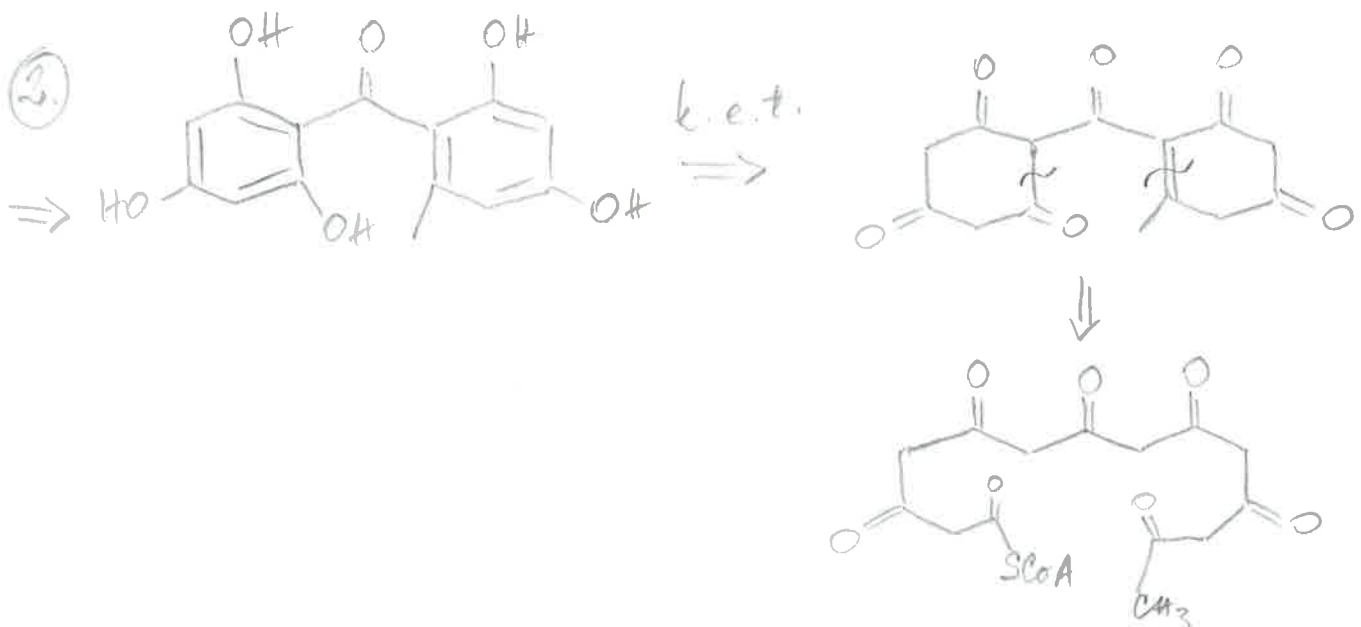


otvara se 5-člani prsten → to je lokalno najenergijiše konformacija povoljnije za odvijanje reakcije

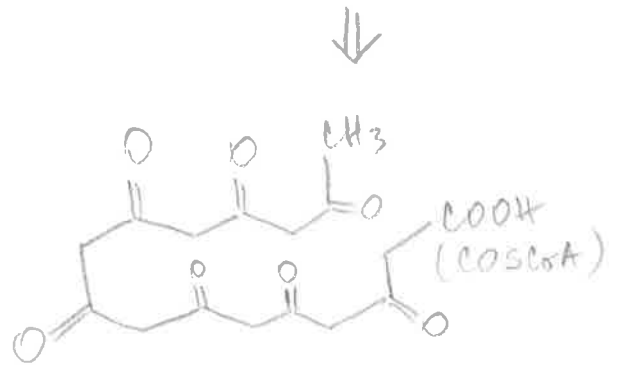
Ostale OH skupine nisu na odgovarajućem položaju da bi učile nepod na karboksilnu skupinu pri čemu bi nastao ciklički ester (lakton).

Teoretski su moguće i reakcije OH skupine iz jedne molekule i COOH skupine iz druge molekule, ali to se ne događa jer je intramolekularna reakcija puno brža, a nastali produkt s petočlanim prstenom puno ^{termodinamički} stabilniji od nekog cikličkog suolega.

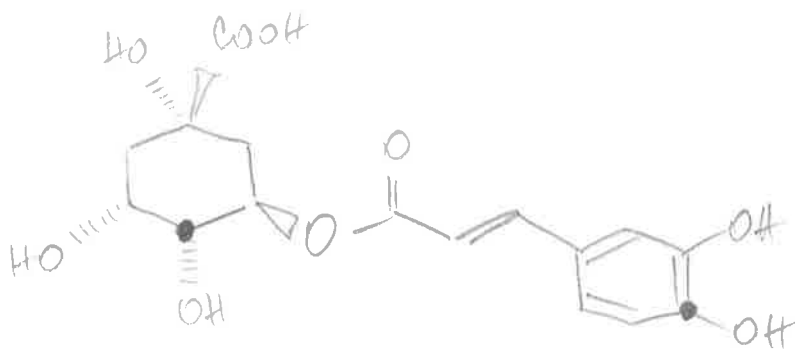
③.



3.

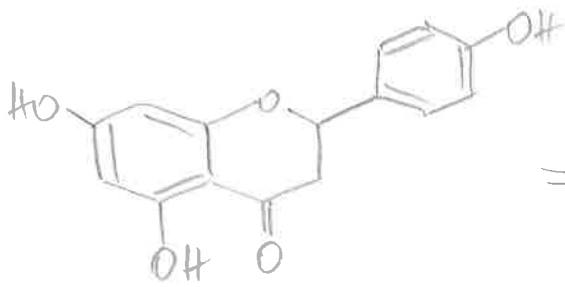


4.



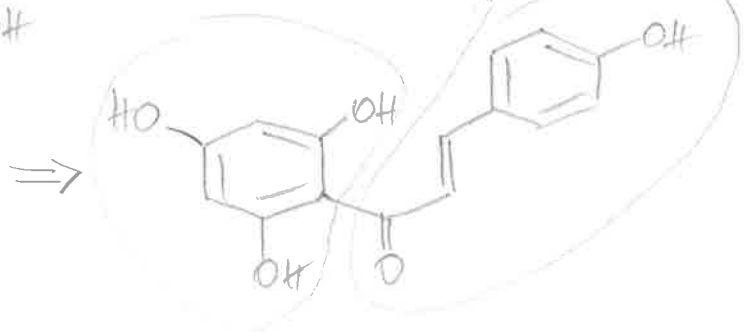
POLIFENOLI - D.2.

1.

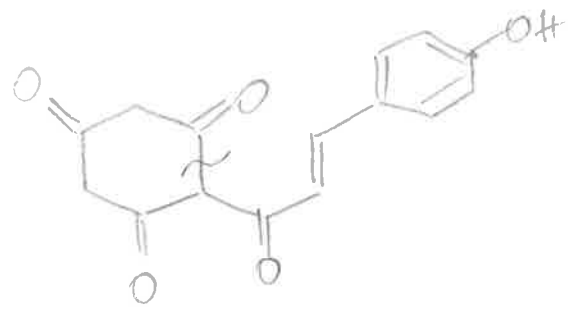
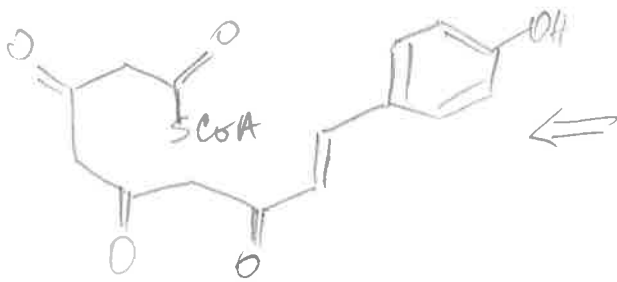


iz acetata

iz klorinacija
glut sistem + C3

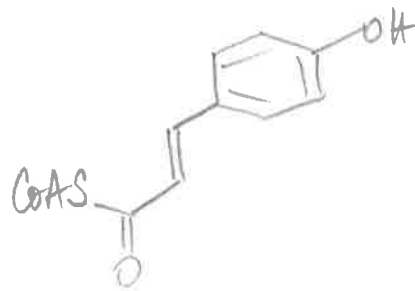


⇓

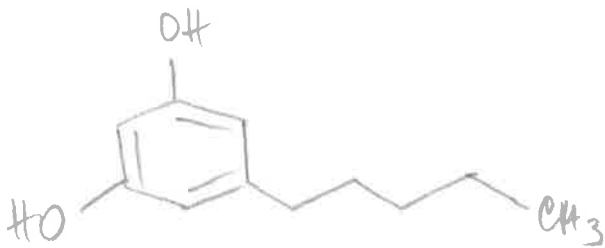


⇓

3x malonil-CoA +

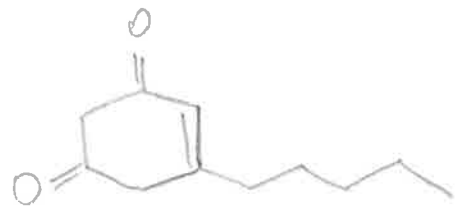


2.

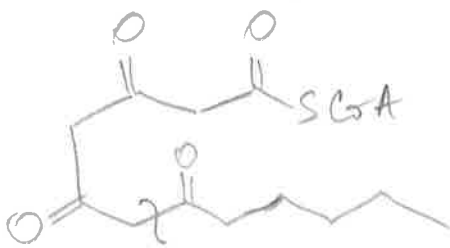


biot.

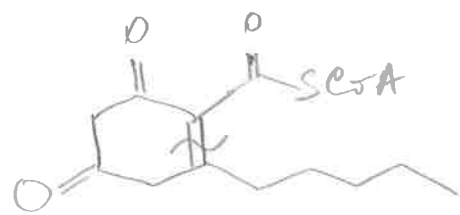
⇒



⇓

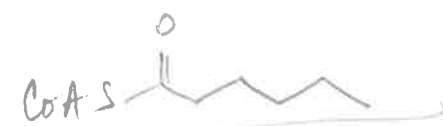


⇐



⇓

3x malonil-CoA +



iz sinteze masnih kiselina