

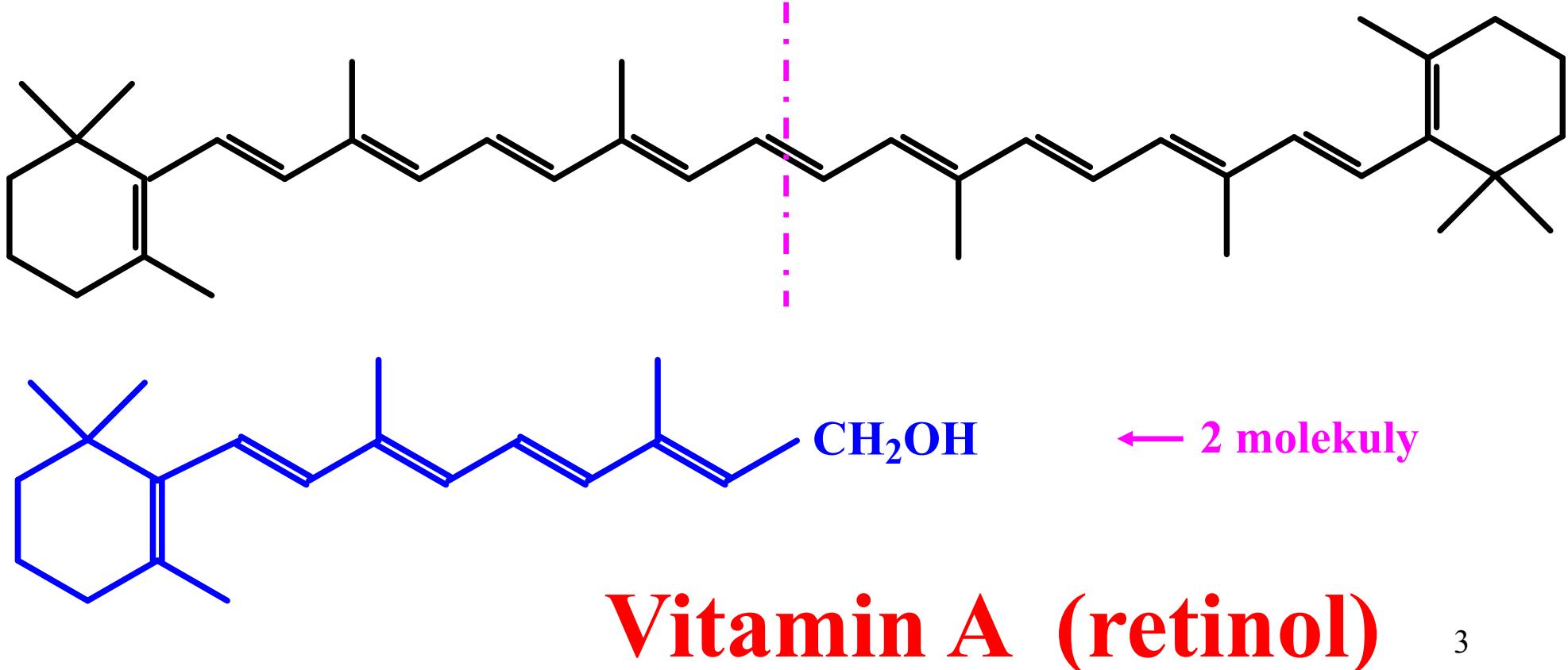


VIDĚNÍ

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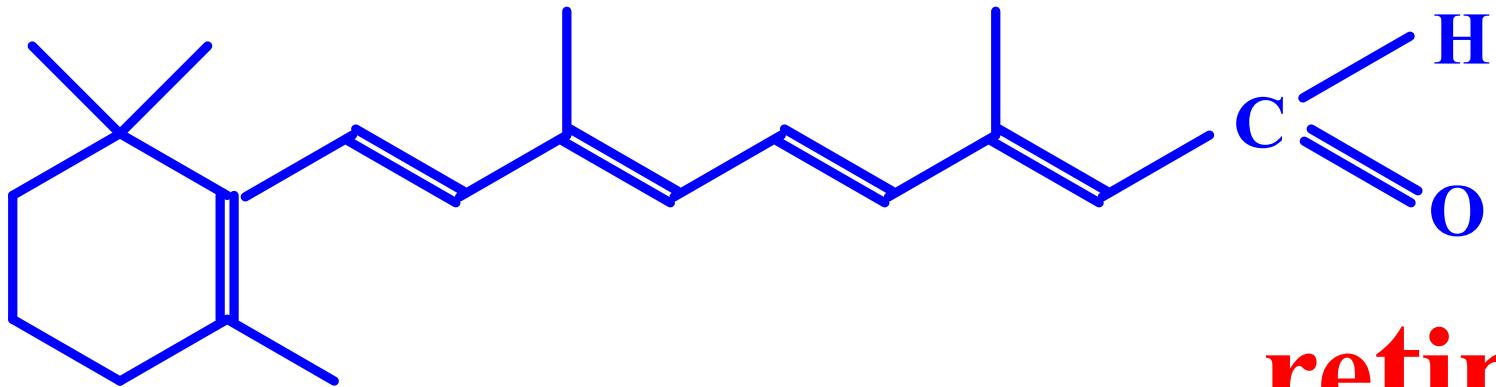
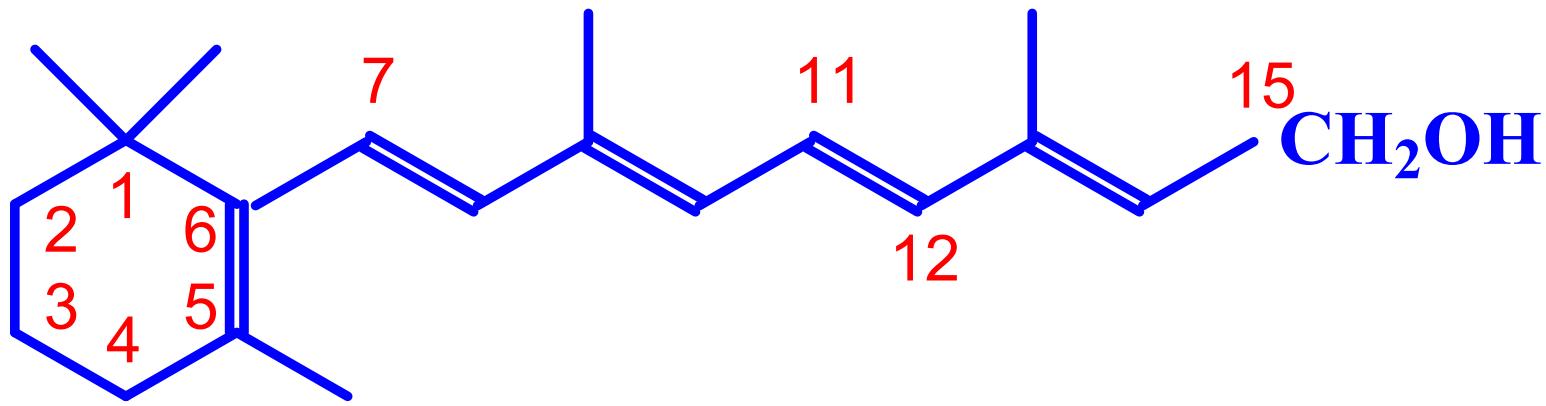
β -karoten

C_{40} (tetraterpen) 8 isoprenových jednotek,
systém konjugovaných dvojních vazeb zasahuje
i do obou β -jononových kruhů, symetrie molekuly



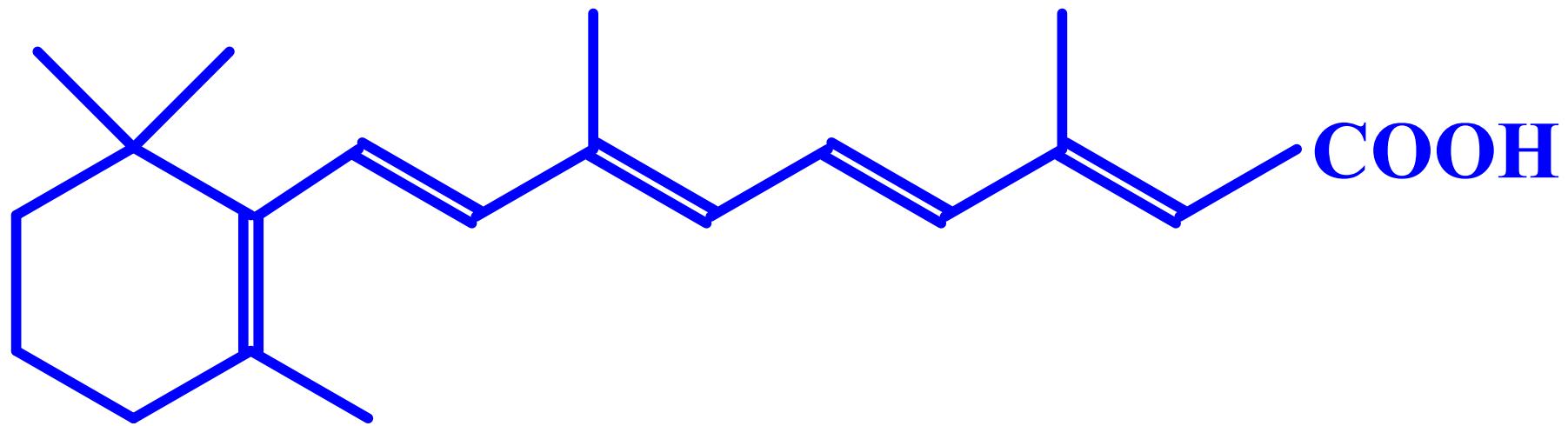
Vitamin A (retinol)

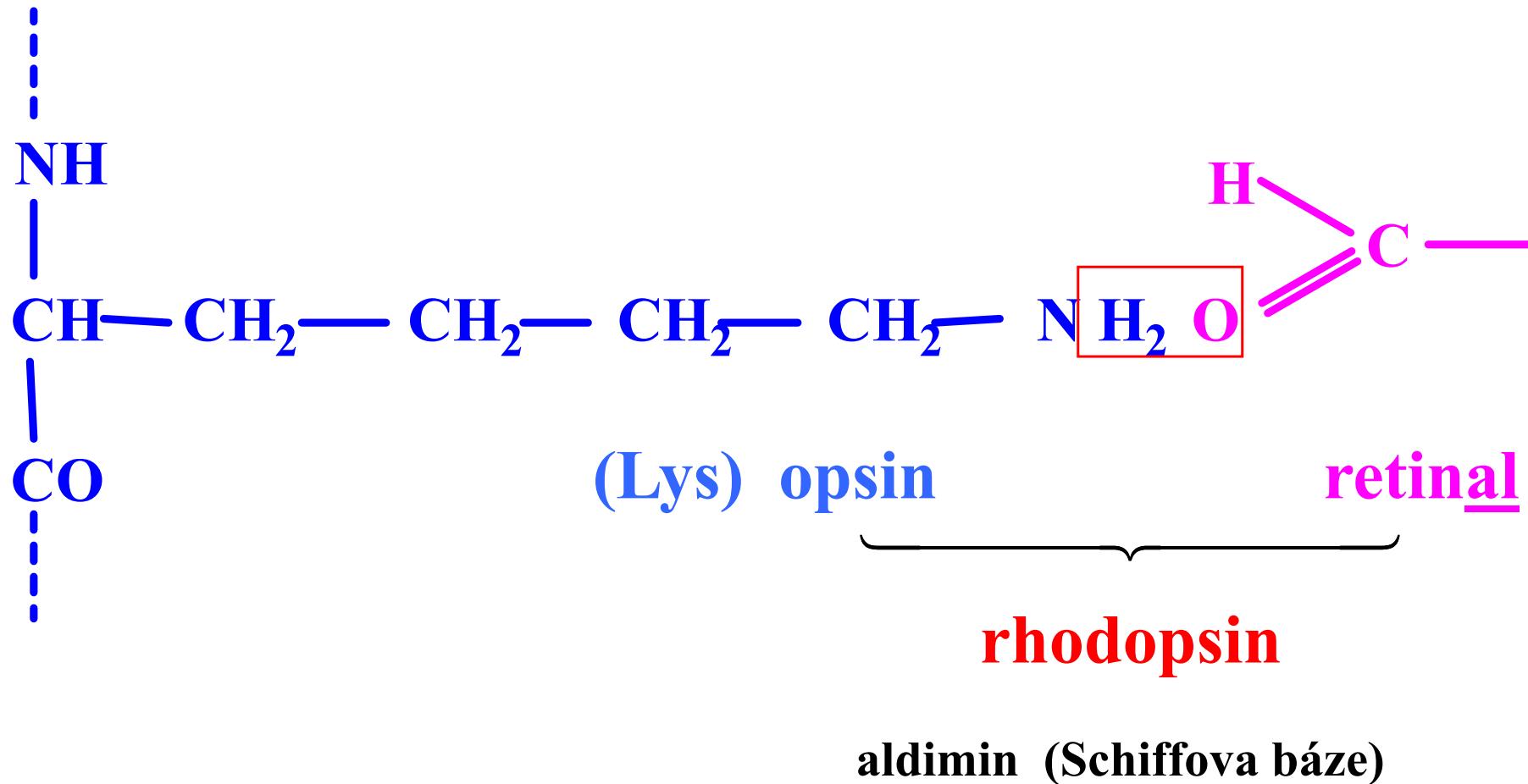
(číslování zahrnuje hlavní řetězec)



retinal

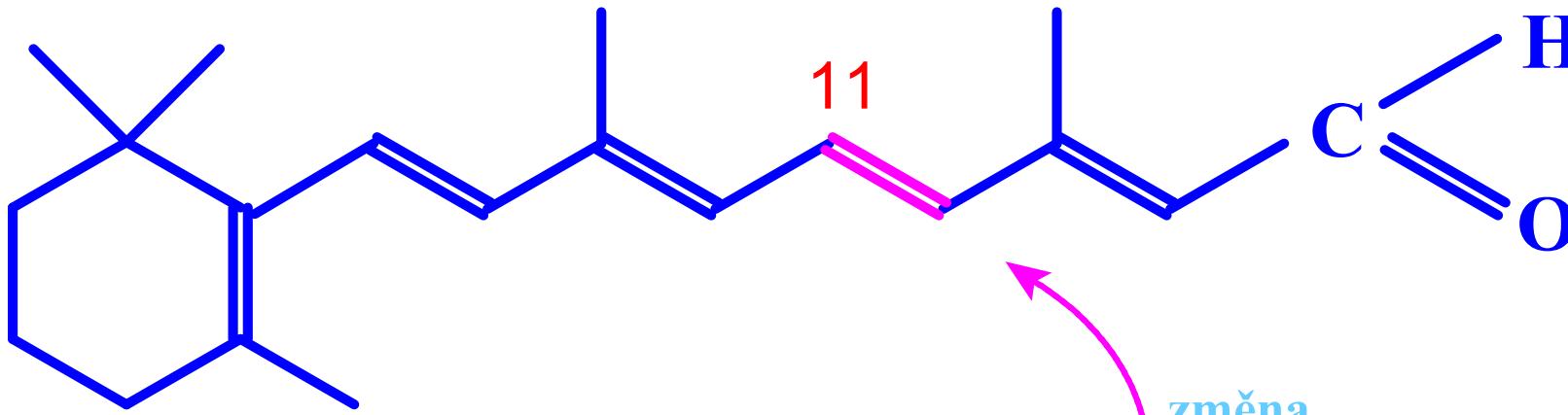
Retinová kyselina :





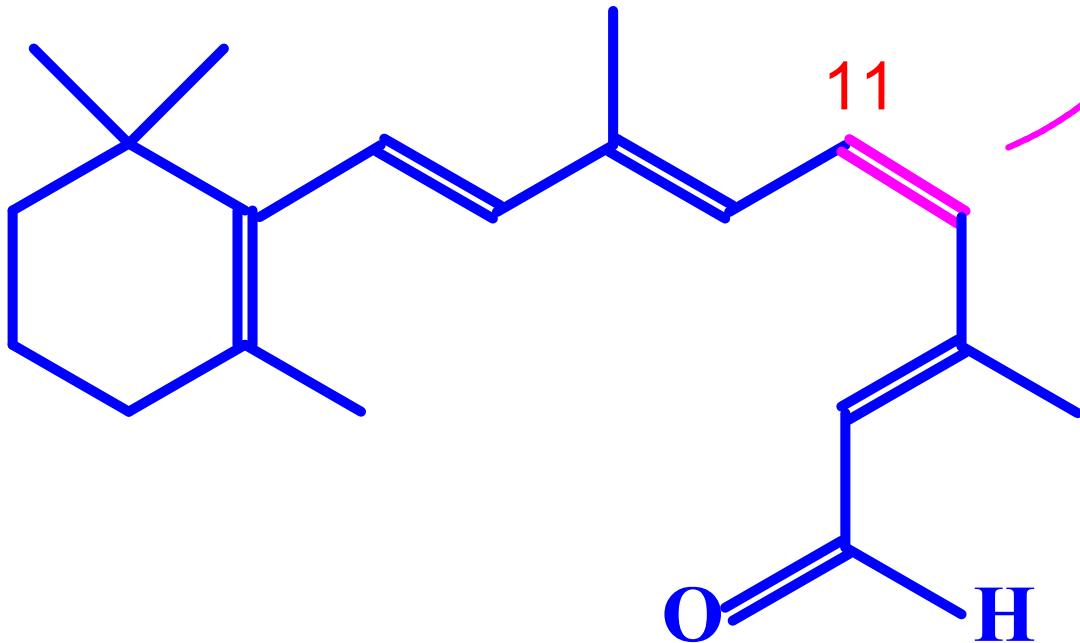
11-trans-retinal

(all-*trans*-...)

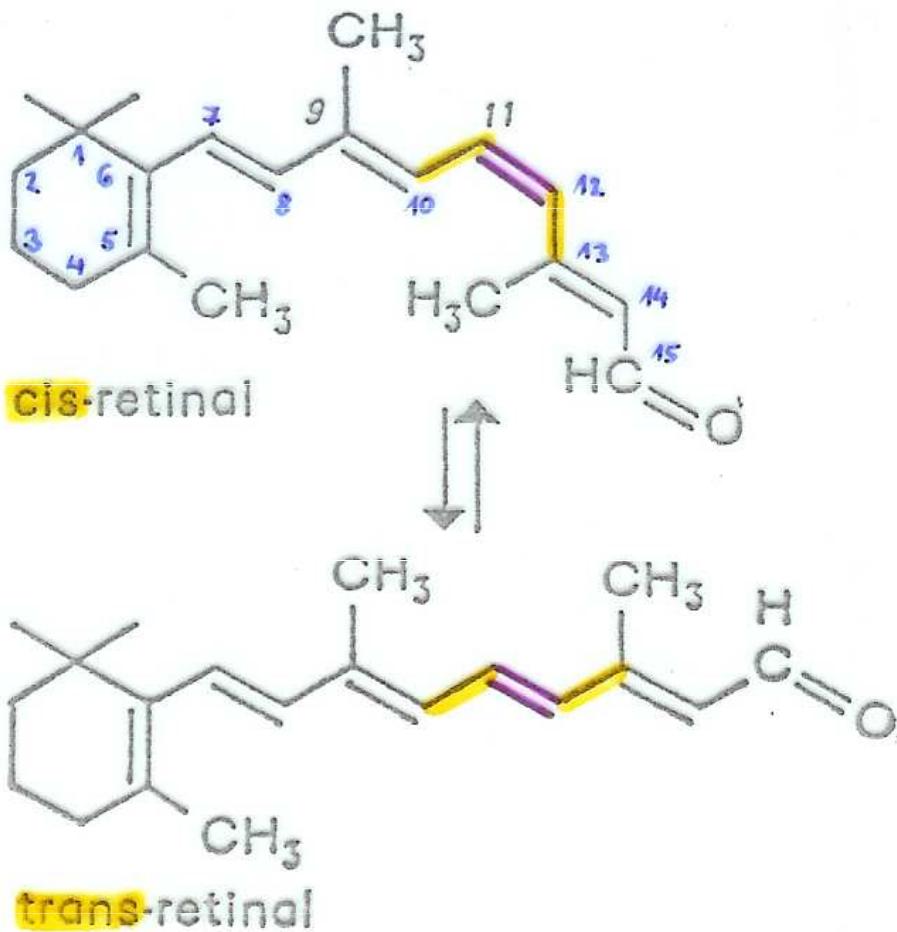


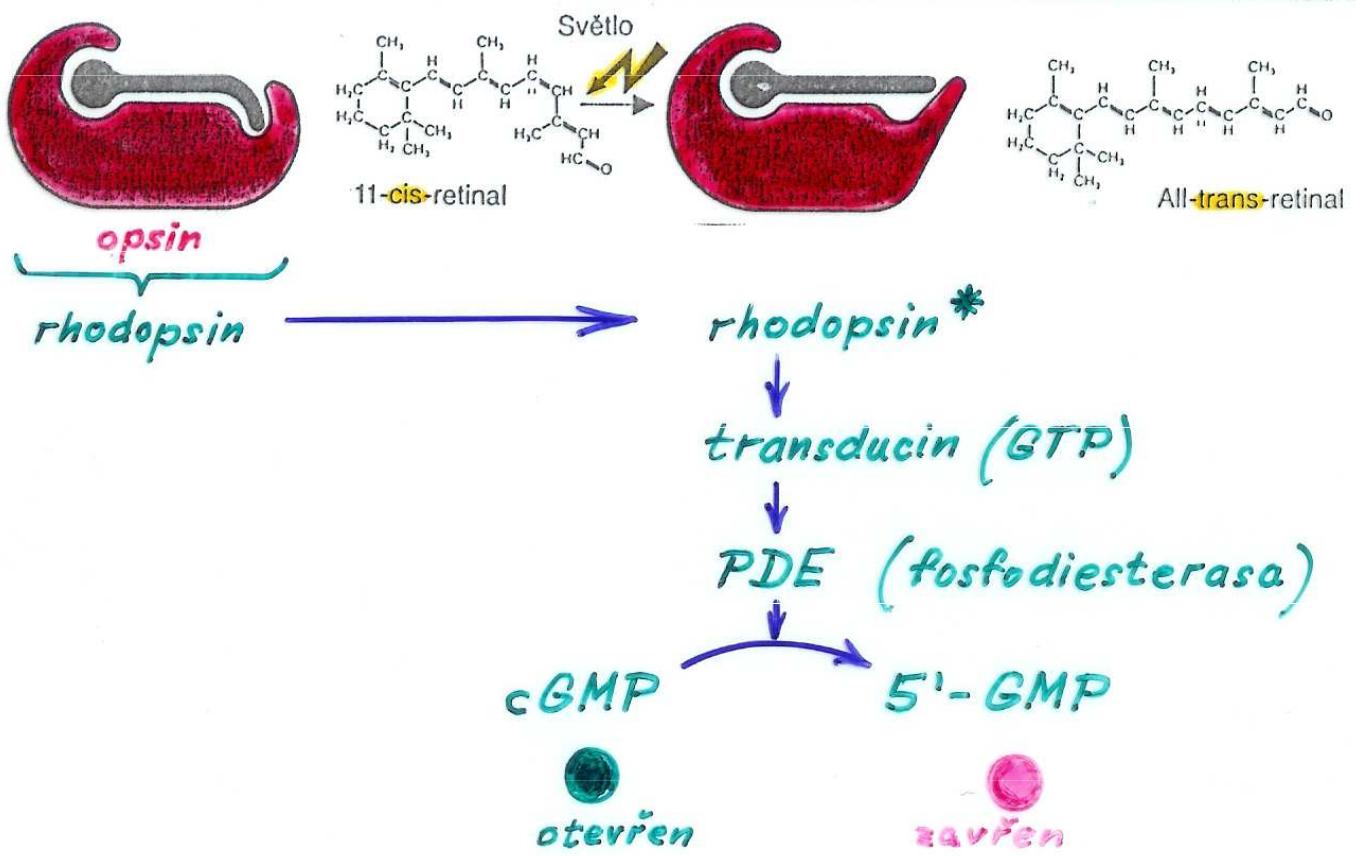
změna
vlivem
světla

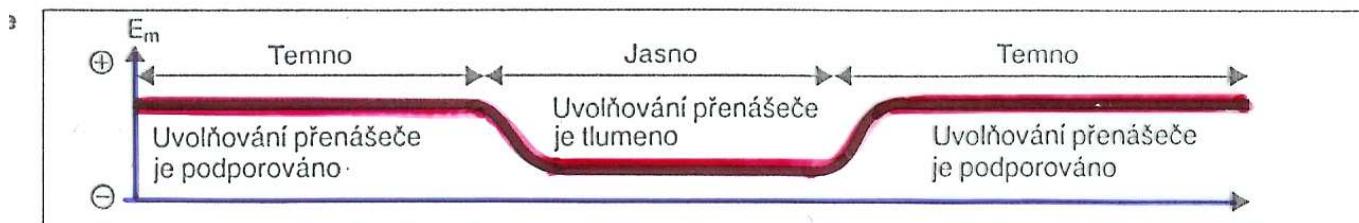
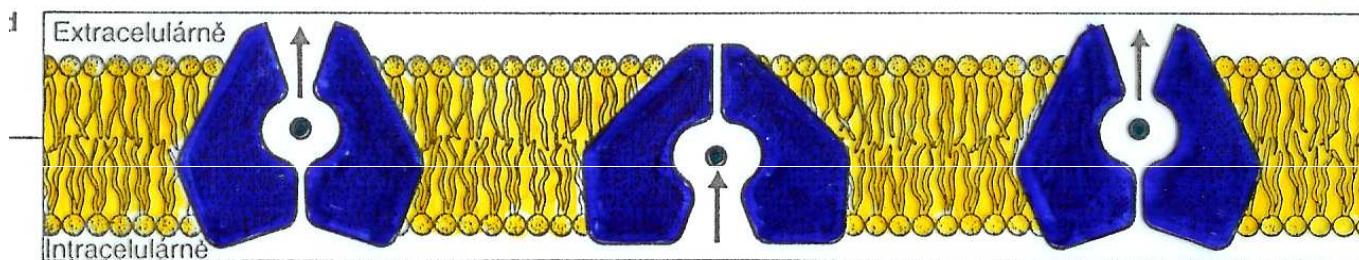
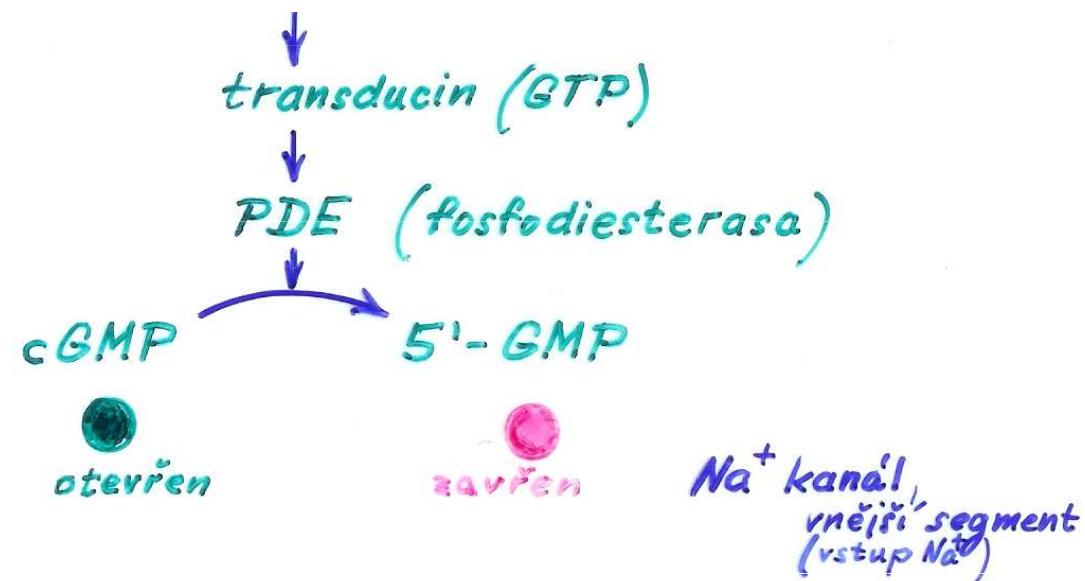
(rhodopsin)

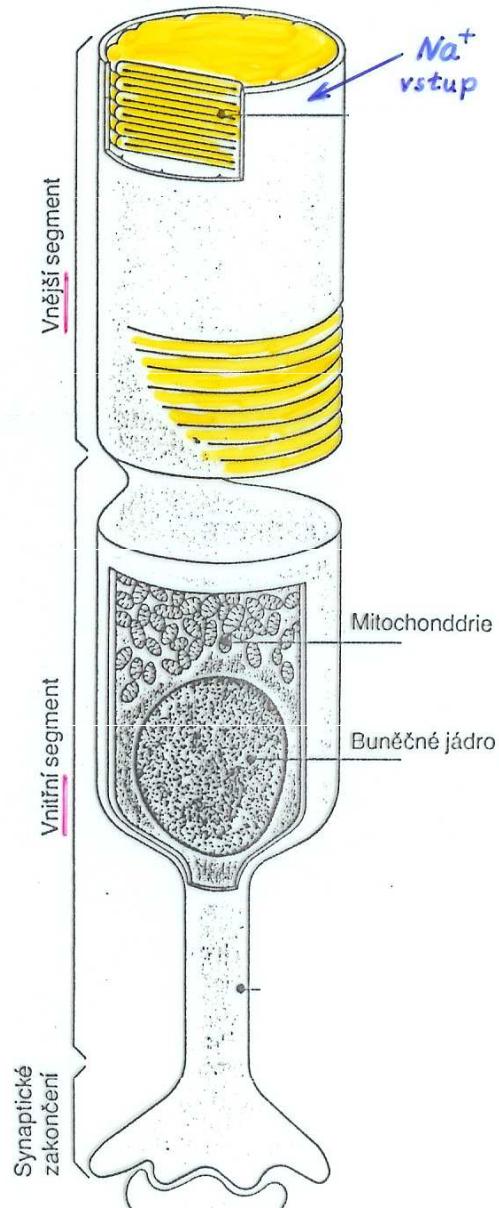


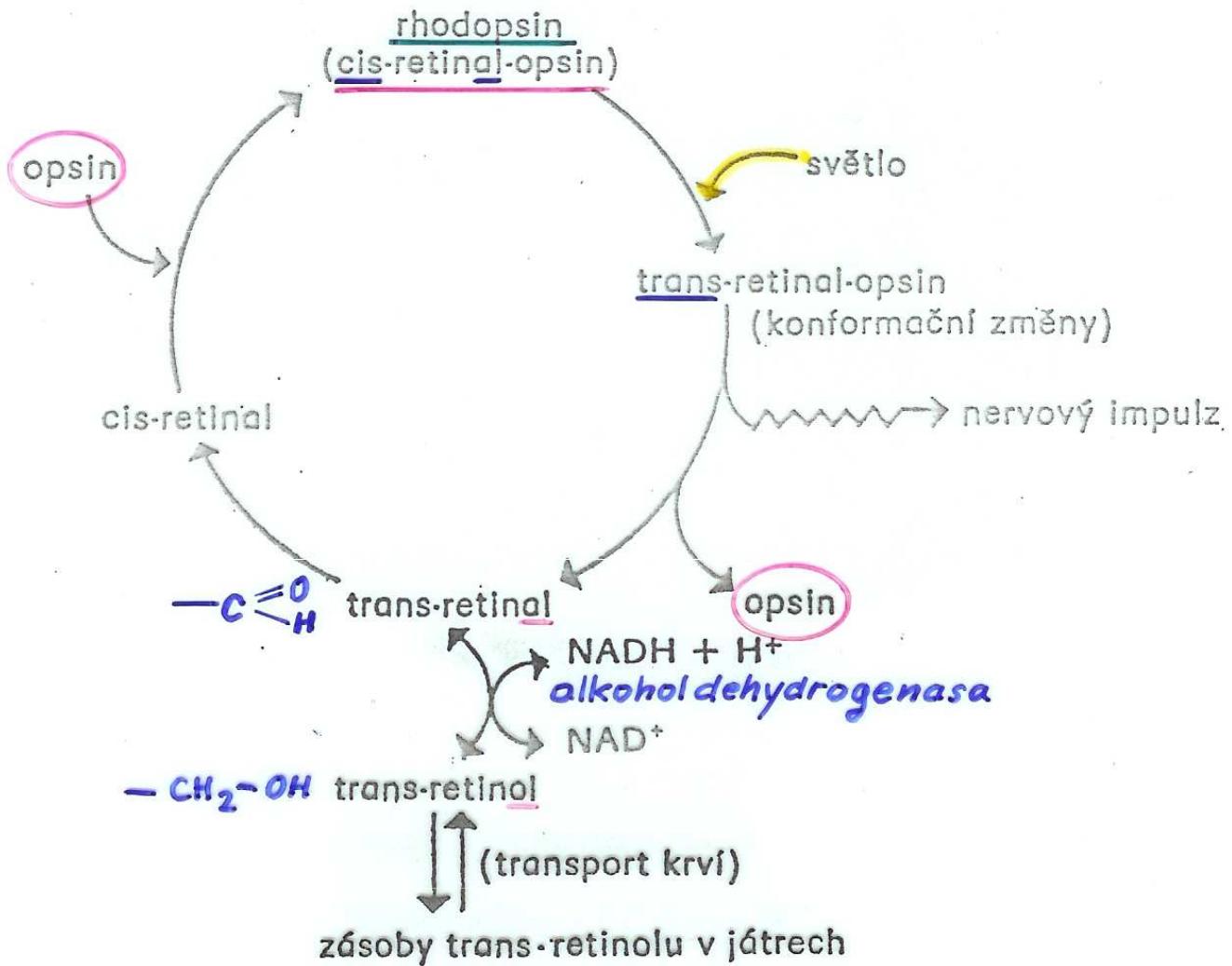
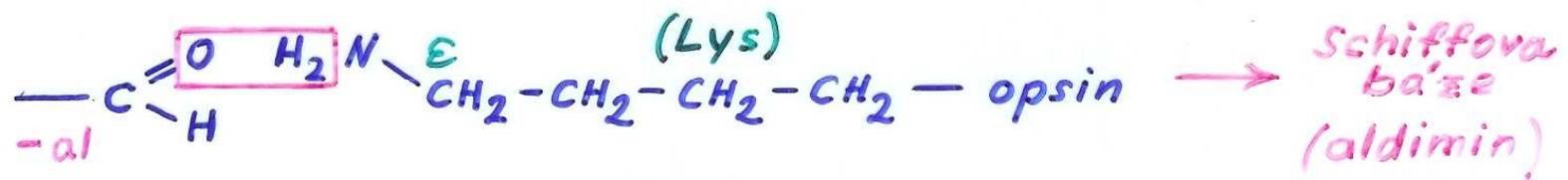
11-cis-retinal



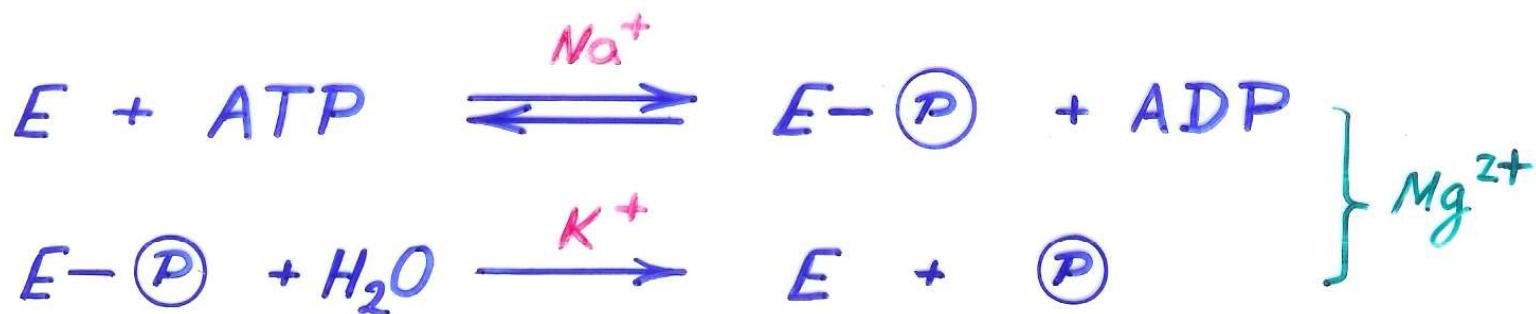
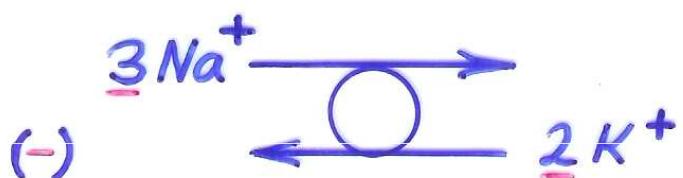








$\text{Na}^+, \text{K}^+ \text{ ATPasa}$





transport nehhydratovaných iontů



0,17
nm

~ 3/4



0,24
nm

"1"

