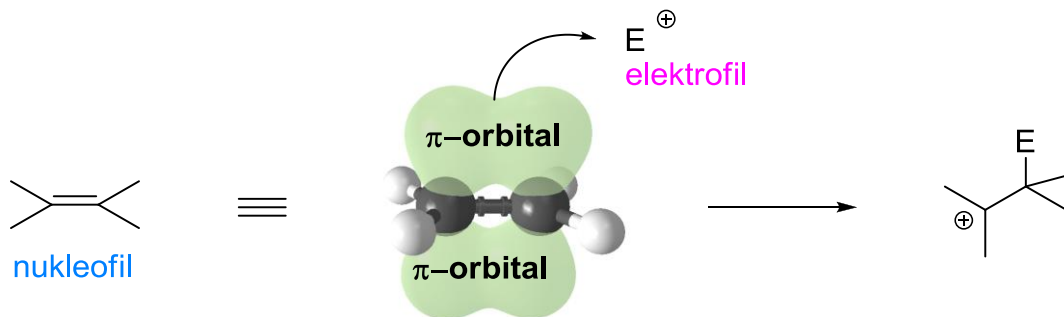


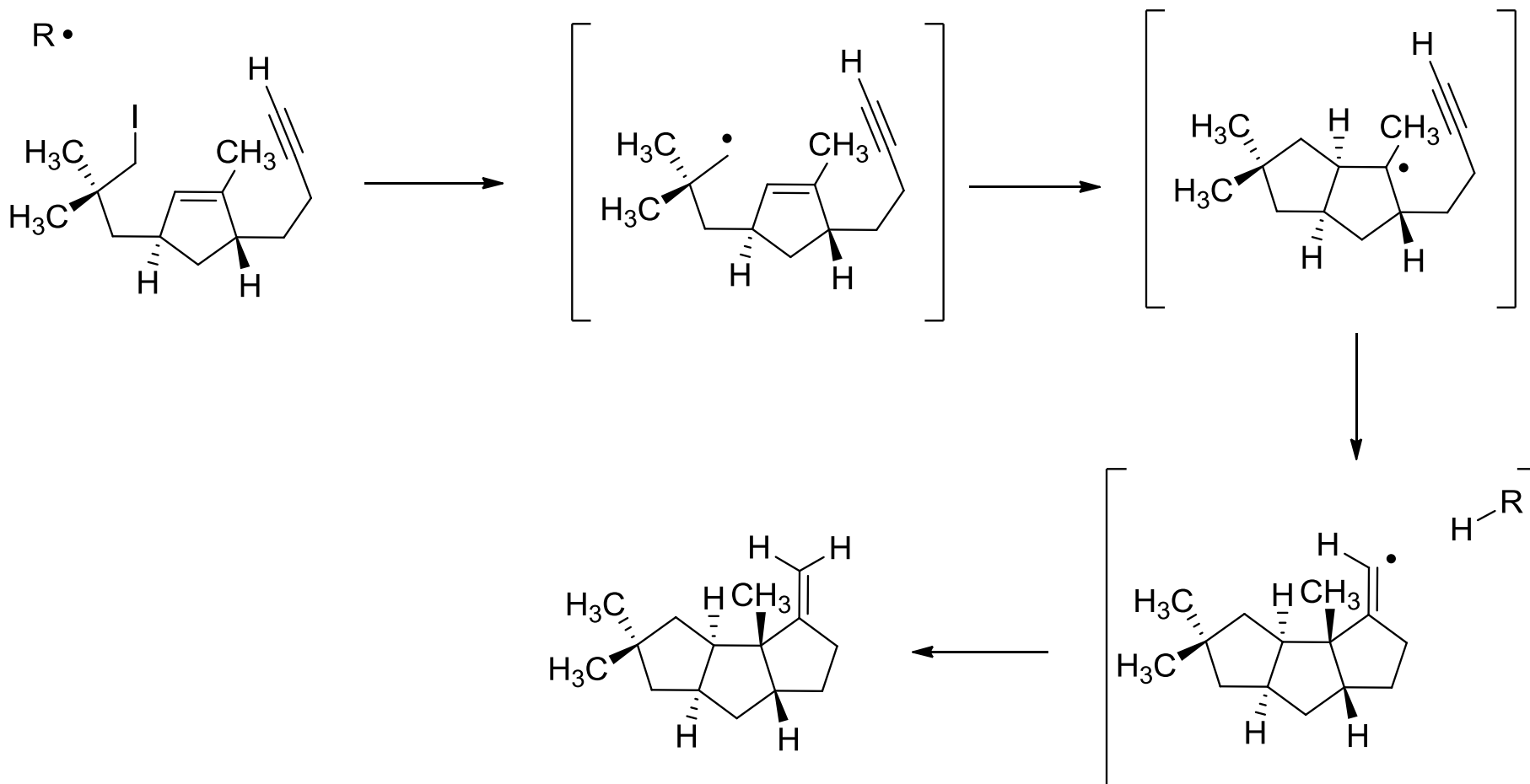


1. Alkeny a alkyňy





- Aplikace radikálové adice (cyklizace) – příprava strukturně složitých molekul

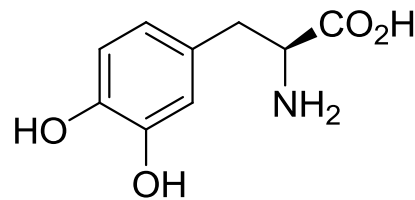
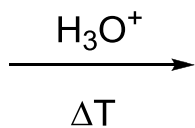
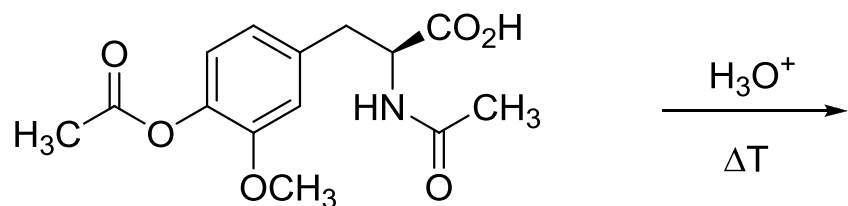


hirsutene

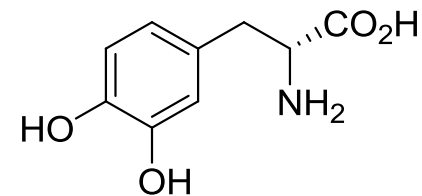
(D. P. Curran, 1986)



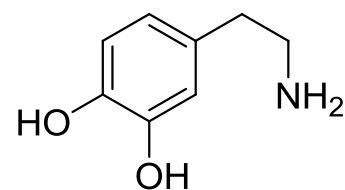
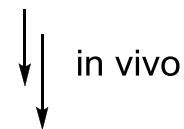
▪ Syntéza léčiva L-Dopa



L-Dopa



druhý enantiomer
je toxický!



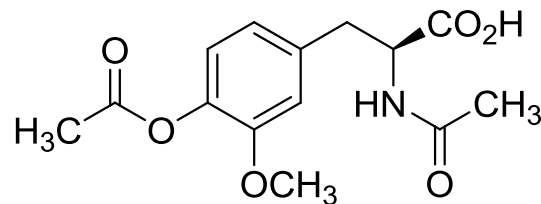
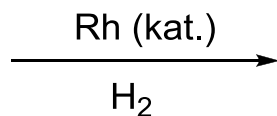
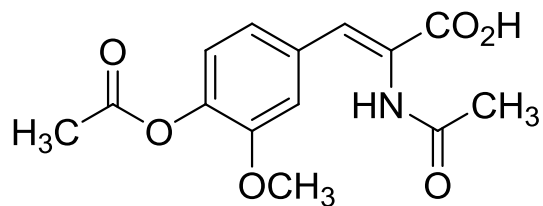
Dopamine
(neurotransmitter)

Některá neurodegenerativní onemocnění se vyznačují nedostatkem tohoto neurotransmiteru

Q: Ize připravit hydrogenací alkenu, jakého?

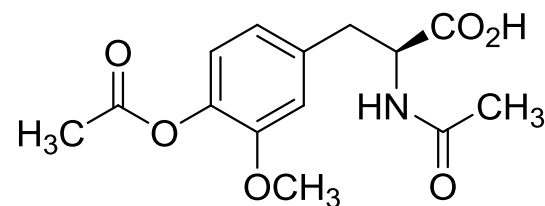
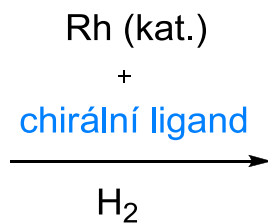
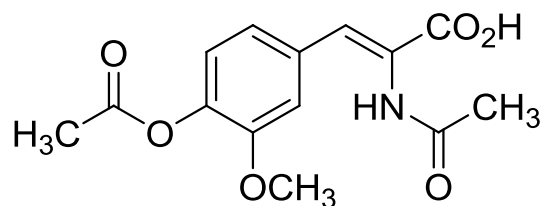
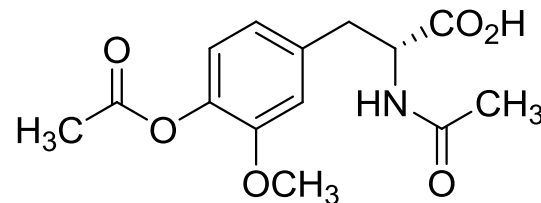


▪ Syntéza léčiva L-Dopa

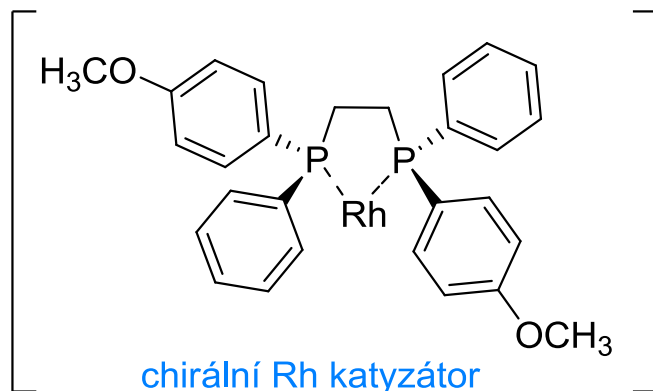


+

racemická směs



(S)-enantiomer



"enantioselektivní hydrogenace"