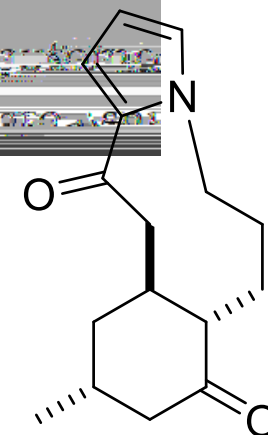


H

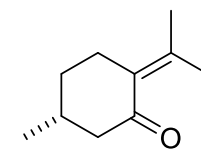
Huperzine H is a *lycopodium* alkaloid that was isolated from the plant *Huperzia serrata* in 1999 by Zhu and co-workers

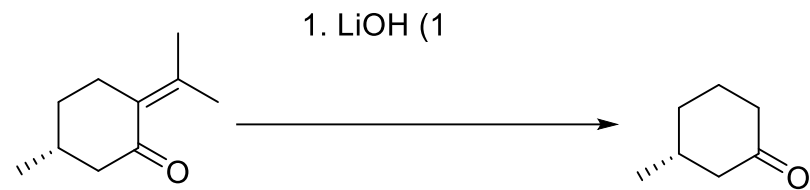
Acts as a cholinesterase inhibitor to improve memory in Alzheimer's disease. It is a natural alkaloid that was isolated from the plant *Huperzia serrata* in 1999 by Zhu and co-workers. It acts as a cholinesterase inhibitor to improve memory in Alzheimer's disease.



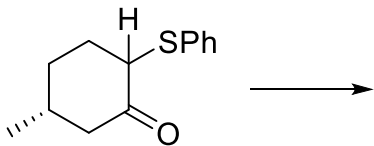
Huperzine H (1)

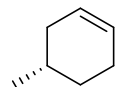
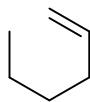
Retrosynthetic Analysis



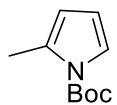


Alkylation

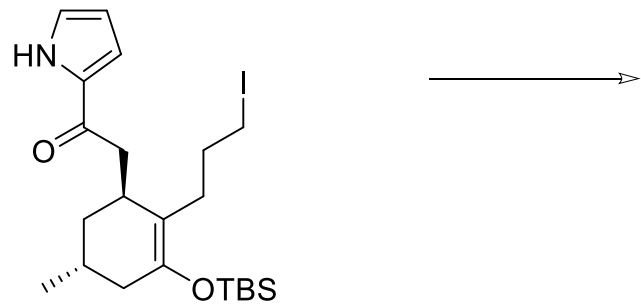
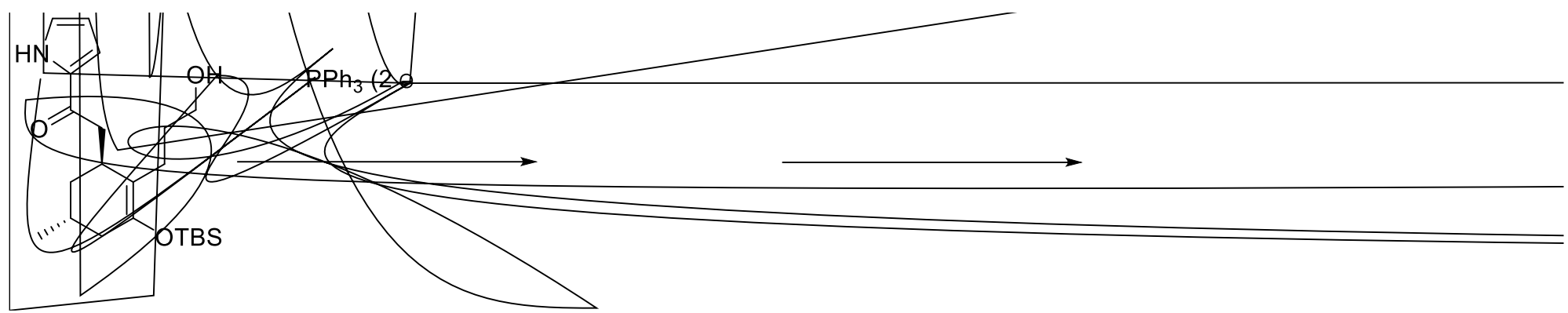


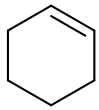


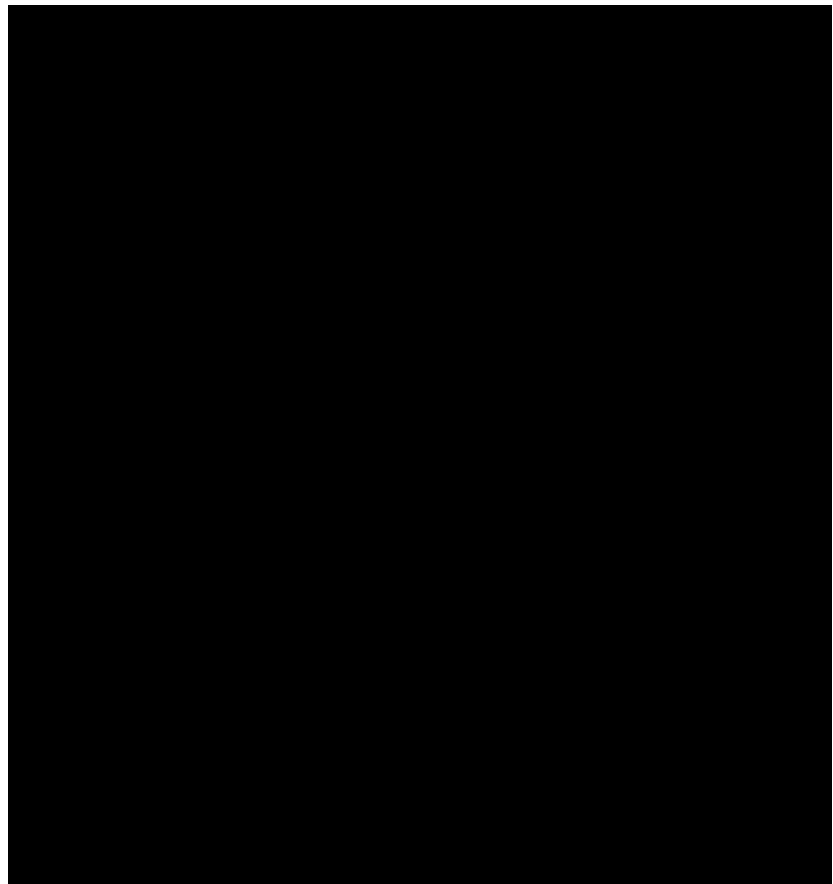
Acetyl



Silyl Enol







_____ : 6.2% overall yield
_____ : 12.1% overall yield