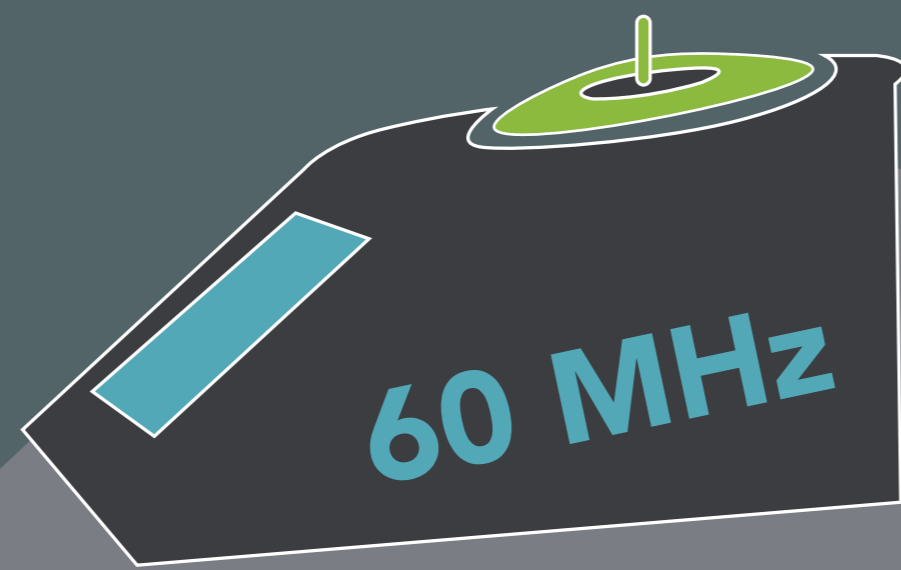




DEPT

-45/-90/-135

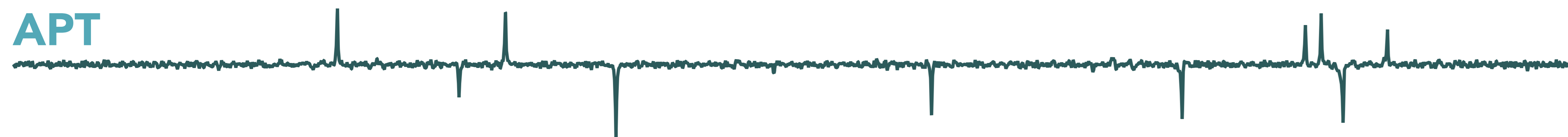


&

APT

Experiments

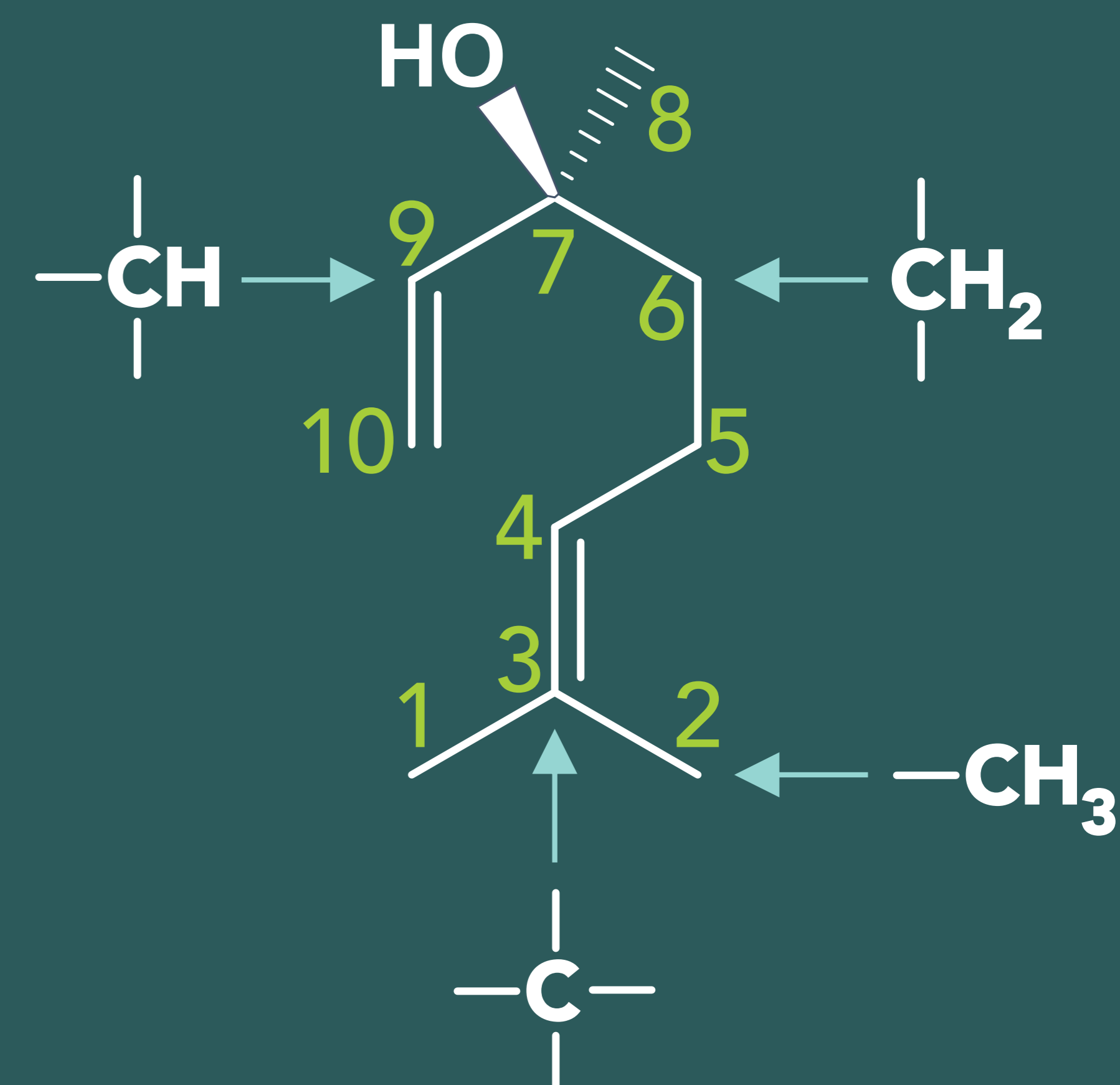
$^{13}\text{C}\{^1\text{H}\}$ NMR
(15.3 MHz)



	$-\text{C}-$	$-\text{CH}$	CH_2	$-\text{CH}_3$
APT	↓	↑	↓	↑
DEPT-135	—	↑	↓	↑
DEPT-90	—	↑	—	—
DEPT-45	—	↑	↑	↑
1D	↑	↑	↑	↑

Arrows represent peak direction in spectrum

Linalool



• DEPT: Distortionless Enhancement by Polarization Transfer (useful for distinguishing between CH, CH₂, CH₃)

• APT: Attached Proton Test (similar to DEPT-135 but also displays quaternary carbons)