

Problem 5.13 (Pavia Text)

- 13. The fragrant natural product anethole ( $C_{10}H_{12}O$ ) is obtained from anise by steam distillation. The proton NMR spectrum of the purified material follows. Expansions of each of the peaks are also shown, except for the singlet at 3.75 ppm. Deduce the structure of anethole, including stereochemistry, and interpret the spectrum.



