Salahaddin University-Erbil College of Science 3rd stage Chemistry Department



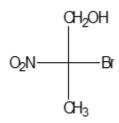
Stereo Chemistry date: 25 /03/2024

Time: 1h

Q1) Does 2-Bromo-2-pentene exist as a cis-trans isomer or not? Explain and show the exact isomers. 5 marks

- Q2) Explain shortly why, and showing the structures of the isomers? 5 marks

 It is not possible to have a trans configuration in cycloalkenes of seven or fewer carbons.
- Q3) Draw the conformational isomers for Ethane and show which one is more stable conformer. 5 marks
- Q4) Label each asymmetric carbon in the compound below as an R or S configuration. 5marks



Good Luck

Dr. Media Noori Abdullah