

أسم التدريسي :- د.ميسون طارق توفيق

أسم المادة التي يدرّسها :- الموضوع الخاص (الأختياري)

المحاور الرئيسية للمحاضرة :-

Definition of stereochemistry

Stereo formulas

isomers

Conformation isomerism

Conformation of acyclic compounds

Conformation of cyclic compounds

Determination of mono substituted cyclohexane derivatives conformation balance constant

Cyclohexane formula

Geometric isomers formation

Classification of geometric isomers cis – trans system

Classification of poly alkenes geometric isomers

Geometric isomers properties

Di substituted cyclohexane derivatives formula and formation

Bicycle alkanes and its derivatives formation

Chirality and optical isomerism

Chiral compounds and chiral properties

Absolute conformation

Fisher formula

Optical activity of isomers

isomers properties

Chiral compounds

diastereoisomers

Isomers resolution from racemic mixture

Measurement of isomers optical activity

Chirality in cyclic compounds

Chiral compounds have no chiral center

A carbon chiral compounds

Reactions of chiral compounds

Reactions led to chiral center formation

Definition of stereochemistry

Stereo formulas

isomers

Conformation isomerism

Conformation of acyclic compounds

Conformation of cyclic compounds

Determination of mono substituted cyclohexane derivatives conformation balance constant

Cyclohexane formula

Geometric isomers formation

Classification of geometric isomers cis – trans system

Classification of poly alkenes geometric isomers

Geometric isomers properties

Di substituted cyclohexane derivatives formula and formation

Bicycle alkanes and its derivatives formation

Chirality and optical isomerism

Chiral compounds and chiral properties

Absolute conformation

Fisher formula

Optical activity of isomers

isomers properties

Chiral compounds

diastereoisomers

Isomers resolution from racemic mixture

Measurement of isomers optical activity

Chirality in cyclic compounds

Chiral compounds have no chiral center

A carbon chiral compounds

Reactions of chiral compounds

Reactions led to chiral center formation

المصادر

Morrison & Boyd

Normann

كتاب الكيمياء عضوية _ د. يوسف علي الفتاحي