

Section 3

- Ans 1: Essential requirement for the prodrug.
- The prodrug concept has been used to improve undesirable properties of drug since the late
- Prodrug are inactive
 - Bioversible derivatives of active drug molecule
 - that must undergo transformation in vivo to release the active parent, which can then elicit its desired.

7 Prodrug design is fruitful approach for drug Targeting by changing the physicochemical biopharmaceutical or pharmacokinetic properties. Prodrug, as the therapeutic active chemical agent which must undergo transformation in vivo to release the active drug.

Objective of Prodrug design.

- 1- To carry active drug to their respective active site
- 2- To provide the desired pharmacological effect.

To improve the clinical and Therapeutic efficiency, from those drug which suffer from

Functional groups amenable to prodrug:

- Parent drug
- Promoicly
- parent and prodrug