

An Overview On Transdermal Drug Delivery System: Transdermal Patches

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Abstract: *Transdermal drug delivery systems were developed as a solution to the problems with traditional drug administration techniques, especially the oral route. A transdermal patch is an adhesive patch that is applied specifically to the skin's surface. intended to deliver a particular quantity of medication via the skin and into the circulation. This strategy promotes healing in certain parts of the body that would otherwise be challenging to access. A noteworthy benefit transdermal medication administration in contrast to alternative techniques like oral, its administration via topical, intravenous (IV), and intramuscular (IM) routes medicine is administered to the patient under regulated circumstances. Either a permeable membrane enclosing a medicine reservoir or the patient's body heat are used to produce this regulated release. to melt tiny drug layers that are enmeshed in the glue. Though it has advantages, transdermal Because of the skin's efficient barrier function, medication transport is limited in some ways. Just the Smaller molecules are more effectively absorbed by the skin and can therefore be given the means of this technique. This extensive evaluation explores the origins of transdermal patches, including patch design, patch manufacture, and difficulties associated with efficient drug delivery, among other things..*

Keywords: TDDS, Transdermal patch, methods of preparation, uses