

Hallucinogens

Hallucinogens:

Hallucinogens are a psychoactive group of drugs that alter perception (awareness of surrounding objects and conditions), mood, behaviour, thoughts, and feelings.

They cause hallucinations, or sensations and images that seem real though they are not. They also alter consciousness.

- Loss of contact with reality
- Ability to concentrate altered
- Feel relaxed
- May laugh uncontrollably
- May become sad

Class • They are commonly divided into two broad categories:

- Class hallucinogens (such as LSD) and
- Dissociative drugs (such as Phencyclidine).

Class

- Indole amines:- LSD(Lysergic acid diethylamide) , Psilocybin , Harmine , Bufotenin
- Phenylalkyl amines :- Mescaline
- Arylcyclohexyl amines:- Phencyclidine
- Cannabinoids:- Tetrahydrocannabinol (THC), Bhang, Ganja, Charas

LSD

- LSD is one of the most potent, mood-changing chemicals. It is manufactured from lysergic acid, which is found in the ergot fungus that grows on rye and other grains.
- It is odorless, colorless, and has a slightly bitter taste.
- The effects of LSD usually begin in 30 – 45 minutes and can last for 4 to 12 hours.
- The following may be experienced during this time: Euphoria and wellbeing, Dilation of pupils, Seeing and hearing things that aren't there (hallucinations), Confusion and

trouble concentrating , Headaches , Nausea , Fast or irregular heart beat , Increased body temperature , Breathing quickly , Vomiting , Facial flushes, sweating and chills

MOA

- Psychedelics are agonists or partial agonists at the brain serotonin 5-HT_{2A} receptor subtype.
- That means that they stimulate to a greater or lesser extent these brain receptors.

Pharmacokinetics

- Absorption -GI tract
- Not well distribution in body
- Metabolized in liver
- Excreted in Urine

Cannabinoids

- THC-is active principle of Cannabis indica (marijuana)
- Following are preparations:- • Bhang-Dried leaves- Oral administration
- Ganja- Dried female inflorescence-Smoked
- Charas-Dried Resinous extract-Smoked

Use

- To relieve pain
- To relieve anxiety
- To reduce i.o.t in glaucoma
- As appetite stimulant
- As bronchodilators
- Tolerance may occur.
- Psychological dependence may occur.