

# Chapter 13. Drugs Used in Erectile Dysfunction

## Syllabus:

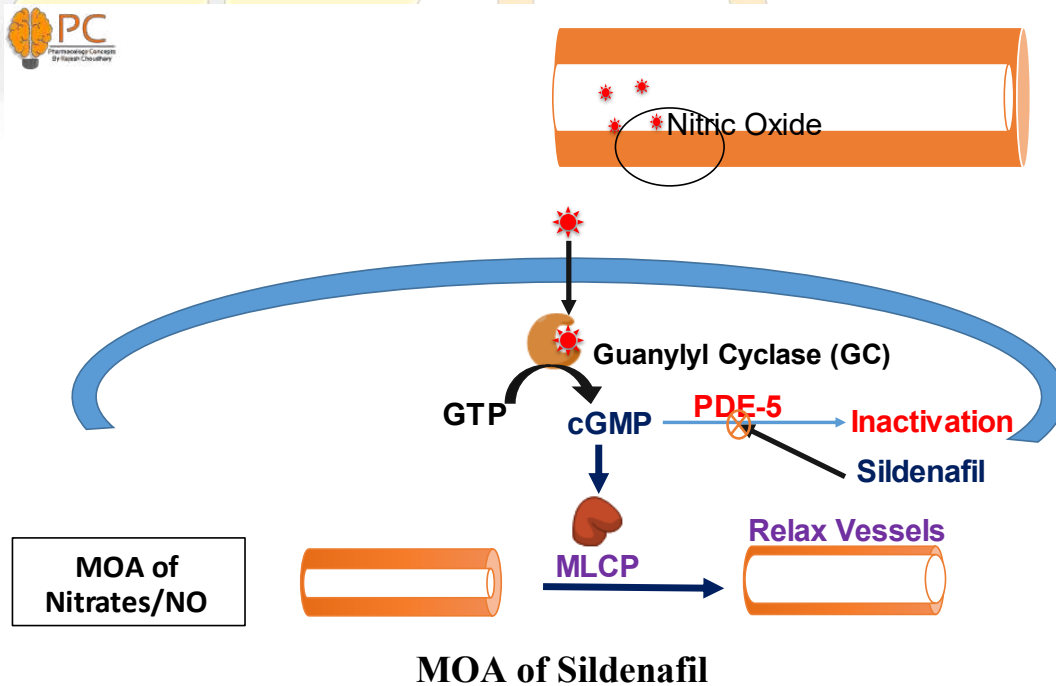
**Drugs for erectile dysfunction:** Sildenafil, Tadalafil

### 13.1. ERECTILE DYSFUNCTION

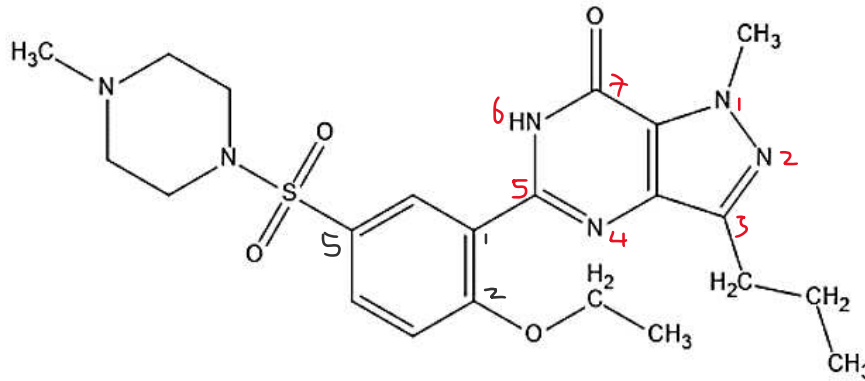
Erectile dysfunction (ED) is a common sexual difficulty found in men; it affects millions of people worldwide. ED is characterized by a lack of penile erection, which causes the inability to make satisfactory sexual relationship with the partner. ED is occurring due to the neurogenic, hormonal and/or vascular defect.

### 13.2. DRUGS USED IN ERECTILE DYSFUNCTION

**PDE-5 Inhibitors:** Sildenafil, Tadalafil, Acetildenafil, Vardenafil



## 1) Sildenafil

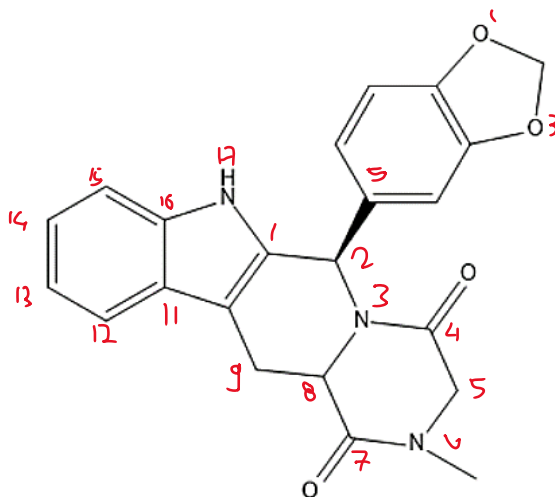


5-[2-ethoxy-5-(4-methylpiperazin-1-yl)sulfonyl phenyl]-1-methyl-3-propyl-6H-pyrazolo[4,3-d]pyrimidin-7-one

### Uses:

- ✓ Used as a vasodilator to management of ED
- ✓ Sildenafil also used in pulmonary hypertension

## 2) Tadalafil



2-(1,3-benzodioxol-5-yl)-6-methyl-3,6,17-triazatetracyclo-heptadeca-1(10),11,13,15-tetraene-4,7-dione

Uses: Used in ED, prostate enlargement, pulmonary hypertension