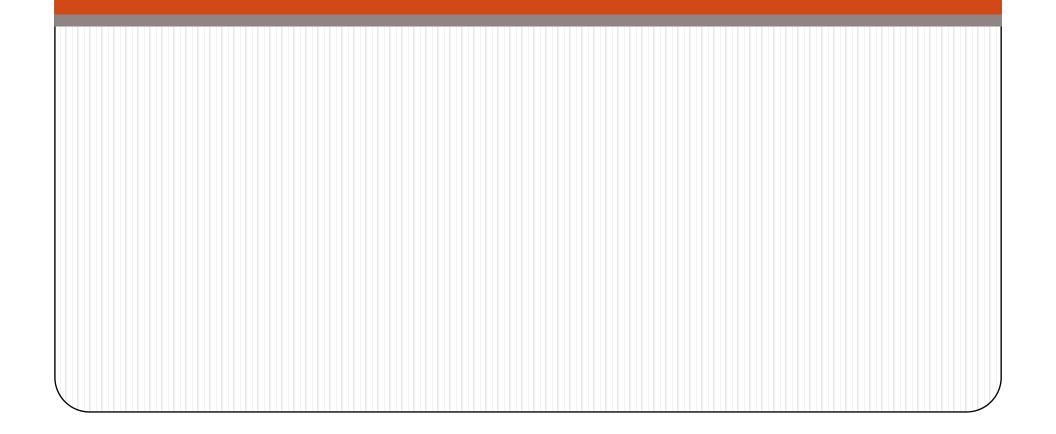
## Drugs for erectile dysfunction



## 

Sildenafil

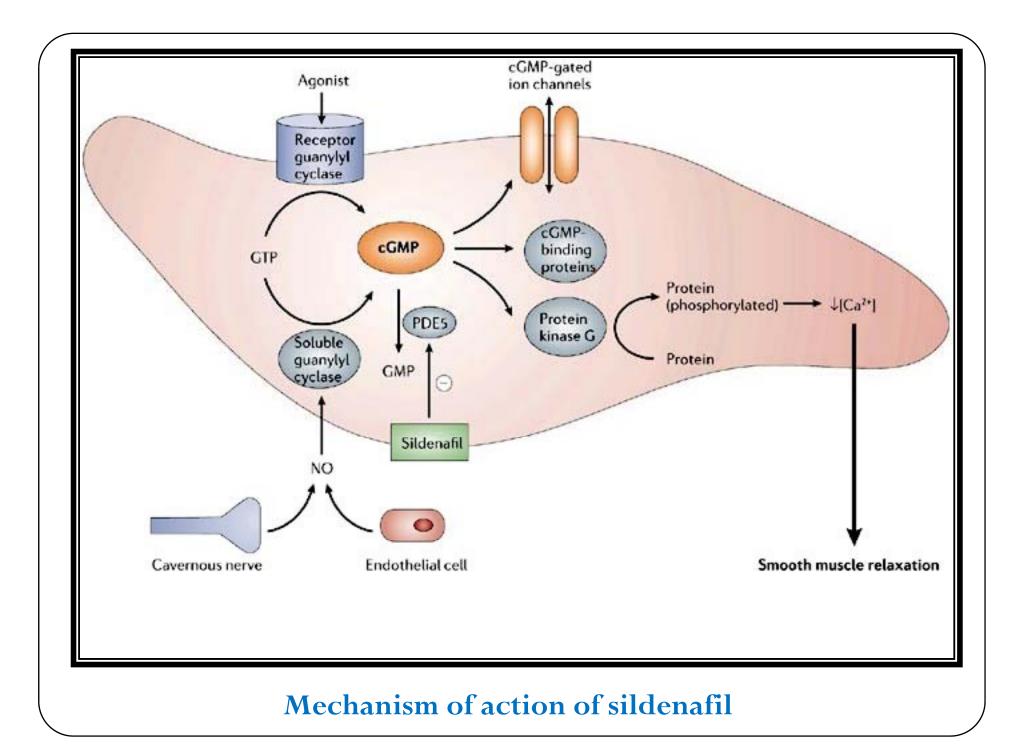
IUPAC: 5-[2-ethoxy-5-(4-methylpiperazin-1-yl)sulfonylphenyl]-1methyl-3-propyl-6*H*-pyrazolo[4,3-d]pyrimidin-7-one **MOA**:

0 This response is mediated by the release of nitric oxide (NO) from nerve terminals and endothelial cells, which stimulates the synthesis of cGMP in smooth muscle cells.

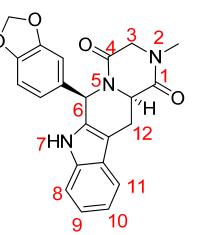
0 Cyclic GMP causes smooth muscle relaxation and increased blood flow into the corpus cavernosum.

O Tadalafil inhibits also inhibits the enzyme phosphodiesterase type 5 PDE5 and thereby enhances erectile function by increasing the amount of cGMP available.

Uses: Used for the treatment of erectile dysfunction.



## Tadalafil



## IUPAC: 6-(1,3-Benzodioxol-5-yl)-2-methyl-2,3,6,7,12,12ahexahydropyrazino[1',2':1,6]pyrido[3,4-b]indol-1,4-dione MOA:

O This response is mediated by the release of nitric oxide (NO) from nerve terminals and endothelial cells, which stimulates the synthesis of cGMP in smooth muscle cells.

• Cyclic GMP causes smooth muscle relaxation and increased blood flow into the corpus cavernosum.

O Tadalafil inhibits also inhibits the enzyme phosphodiesterase type 5 PDE5 and thereby enhances erectile function by increasing the amount of cGMP available.

Uses: Used for the treatment of erectile dysfunction.