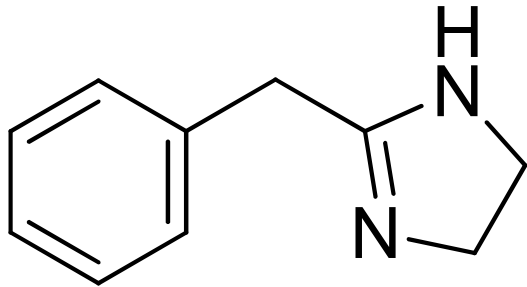


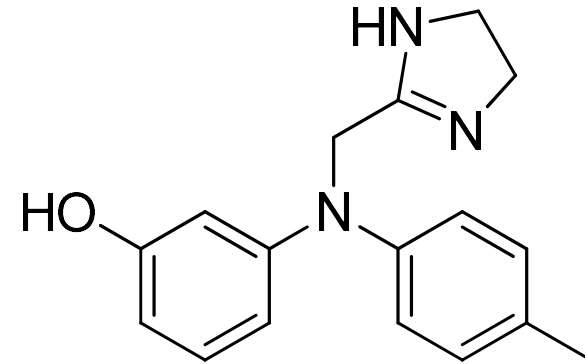
## Tolazoline



**MOA**-Tolazoline is a non-selective  $\alpha$ -adrenergic receptor antagonist. It causes relaxation of vascular smooth muscle. By its vasodilation effect it decreases peripheral resistance and blood pressure.

**Uses**-It is used in the treatment of pulmonary hypertension in new born baby.

## Phentolamine

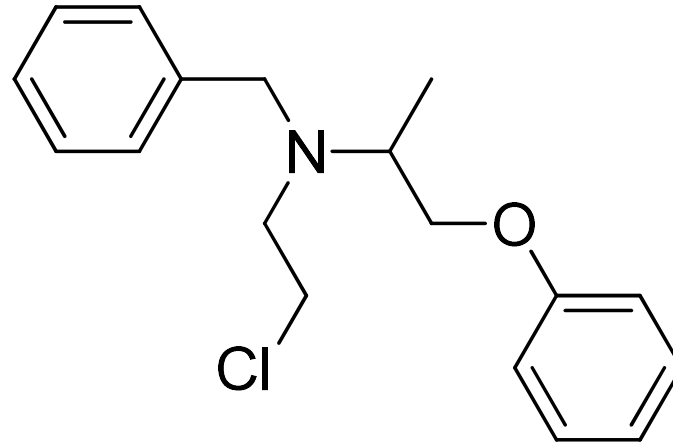


**MOA**- Similar to tolazoline

**Uses**-It is used in the treatment of hypertension. It is used in the diagnosis and treatment of pheochromocytoma.

Vasospasm of Raynaud disease (some areas of the body feel numb and cool)

## Phenoxybenzamine



**MOA-** Similar to tolazoline

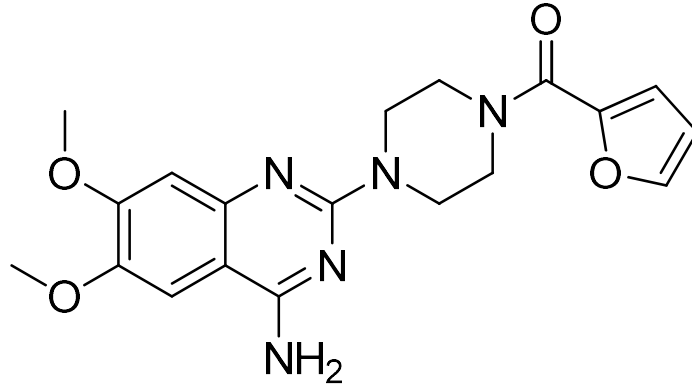
**Uses-** It is used in the treatment of benign prostatic hypertrophy (age associated prostate gland enlargement)

It is used in the treatment of hypertension

It is used in the diagnosis and treatment of pheochromocytoma.

Vasospasm of Raynaud disease (some areas of the body feel numb and cool)

# Prazosin



## MOA-

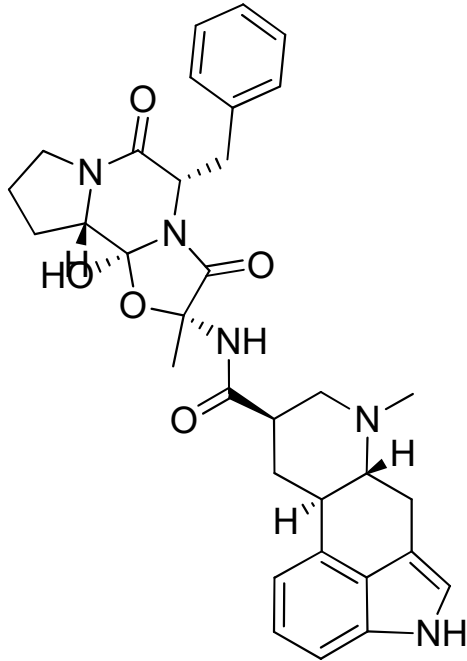
Prazosin inhibits post synaptic  $\alpha_1$  receptor.

This leads to vasoconstriction effect of nor-epinephrine on the blood vessel.

It results in the dilation of blood vessel and reduction of blood pressure.

**Uses-** It is indicated in the treatment of hypertension.

## Dihydroergotamine



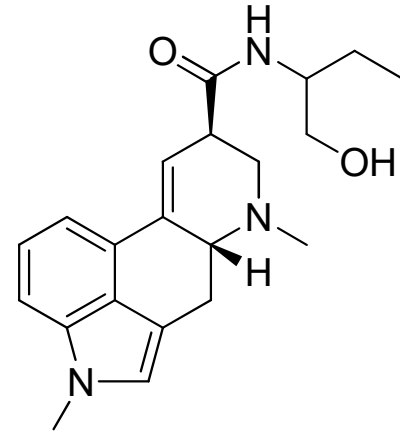
**MOA-** it acts as an agonist of 5-HT (5-Hydroxy tryptamine receptor)

It activates 5HT<sub>1D</sub> receptor located on intracranial blood vessel and leads to vasoconstriction.

It also interact with serotonin, dopamine and adrenergic receptor.

**Uses-** It used in the treatment of acute migraine and headache

## Methysergide



**MOA-** Similar to dihydroergotamine

**Uses-** Similar to dihydroergotamine