

## Drug Classes & Actions: Beta Blockers Cheat Sheet by Roxanne (Reuben) via cheatography.com/69645/cs/17630/

Commonly Prescribed For	
Myocardial Infarction	Glaucoma
Angina	Migraine
Hypertension	Phaeochromocytoma
CHF	Anxiety Disorders
Arrhythmia	Hyperthyroidism

Generic & Trade Names			
Generic	Trade	Route	

Indications	
Competitive Antagonist	Beta-Adrenergic Blocking Agent
Antihypertensive	

## Mechanism Of Action

- β- Located in heart & kidneys: Stimulation produces renin release,
- 1 and induce positive chronotropic and inotropic effects on the heart, increase cardiac conduction, increase cardiac velocity, and increase cardiac automaticity.
- $\beta$  Located lungs, GI tract, liver, uterus, vascular smooth muscle,
- 2 and skeletal muscle: When stimulated this site produces vasodilation, bronchodilation, uterine relaxation, smooth muscle relaxation, tremor in skeletal muscles, and increases glycogenolysis
- β- Located in fat cells: Stimulation induces lipolysis3

Blocks the binding sites on adrenergic beta receptors: These receptors belong to the SNS which control fight or flight response. Beta Blockers compete with adrenaline and noradrenaline (both sympathetic neurotransmitters) at the three beta receptor binding sites.



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