

MEDICINAL CHEMISTRY-I – BP402T

UNIT: 2

CLASS: 10

TOPIC: ADRENERGIC BLOCKERS

6. Esmolol

Structure

IUPAC name

Uses

It is used to control rapid heart beats or abnormal heart rhythms, high bp

Side effects

Difficulty in breathing, swelling of face, lips, tongue or throat.

Increased sweating, nausea, dizziness, drowsiness, low bp

7. Metoprolol

Structure

IUPAC name

Uses

Hypertension, angina, acute myocardial infarction, supraventricular tachycardia, ventricular tachycardia, congestive heart failure, migraine, headache

Side effects

Dizziness, drowsiness, fatigue, diarrhoea, depression

8. Labetolol

Structure

IUPAC name

Uses

Non cardioselective beta blocker and acts as a competitive blocker on both alpha one and beta receptors

Hypertension, pregnancy, induced hypertension, etc.

Side effects

Dizziness, drowsiness, fatigue, diarrhoea, depression

9. Carvediol

Structure

IUPAC name

Uses

Non cardioselective beta blocker and acts as a competitive blocker on both alpha one and beta receptors

Congestive heart failure

Side effects

Dizziness, drowsiness, fatigue, diarrhoea, depression