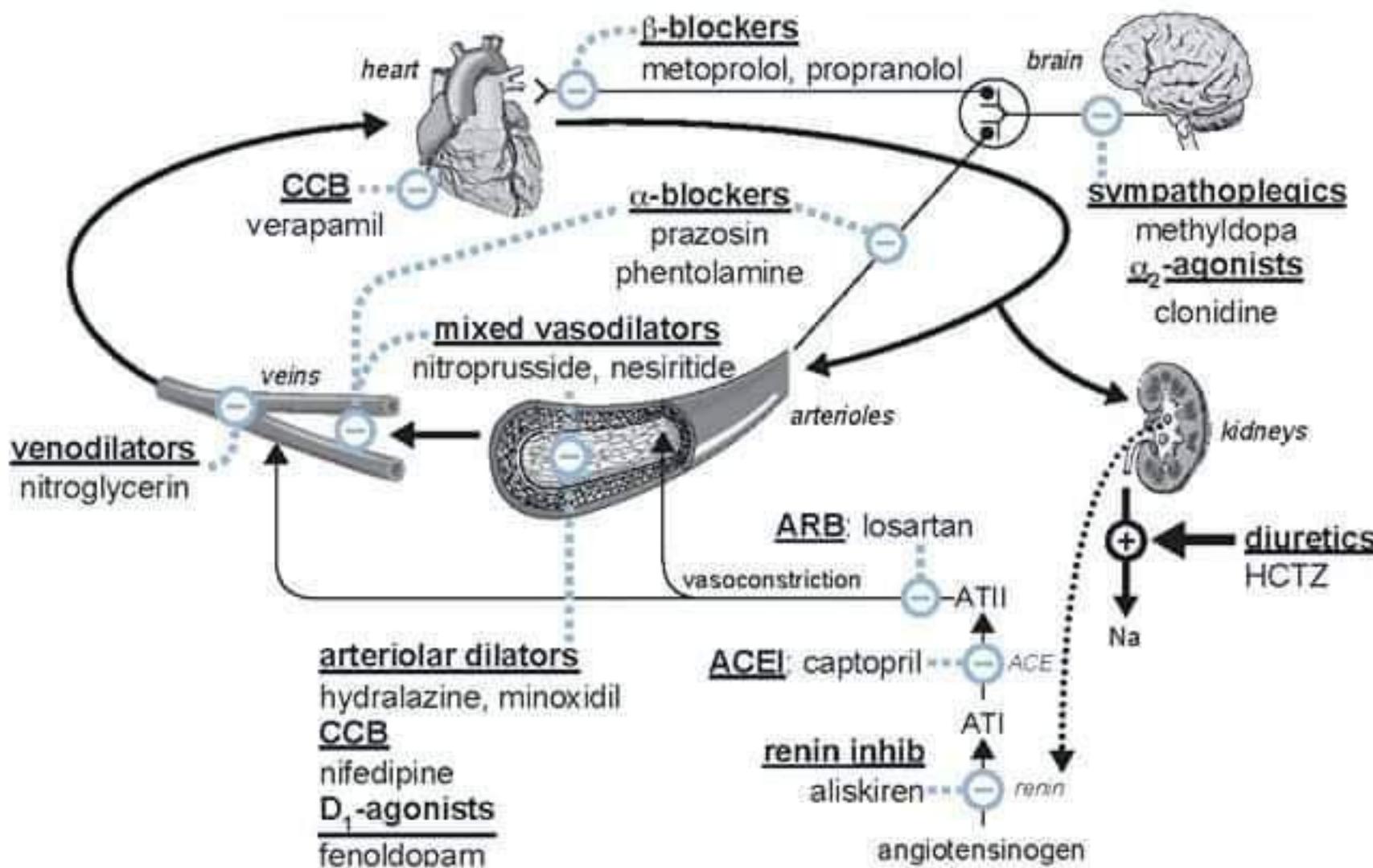


# PHARMACOLOGIC TREATMENT OF HYPERTENSION

D



# PHARMACOLOGIC TREATMENT OF HEART FAILURE

E

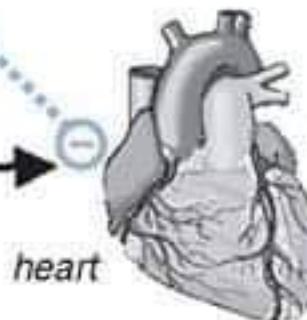
## $\beta$ -blockers

indicated in compensated CHF  
contraindicated in acute CHF

## inotropes

$\beta_1$ -agonists (e.g., dobutamine)  
PDE inhibitors (e.g., milrinone)  
digoxin

if  $\beta_2$ -agonist activity



## venodilators

nitroglycerin  
morphine

$\downarrow$  preload

veins

## mixed vasodilators

ACE, ARB  
nitroprusside  
nesiritide

$\downarrow$  afterload

## arteriolar dilators

hydralazine

$\downarrow$  afterload



## diuretics

furosemide, HCTZ  
spironolactone  
nesiritide

$\uparrow$  natriuresis  
 $\downarrow$  preload



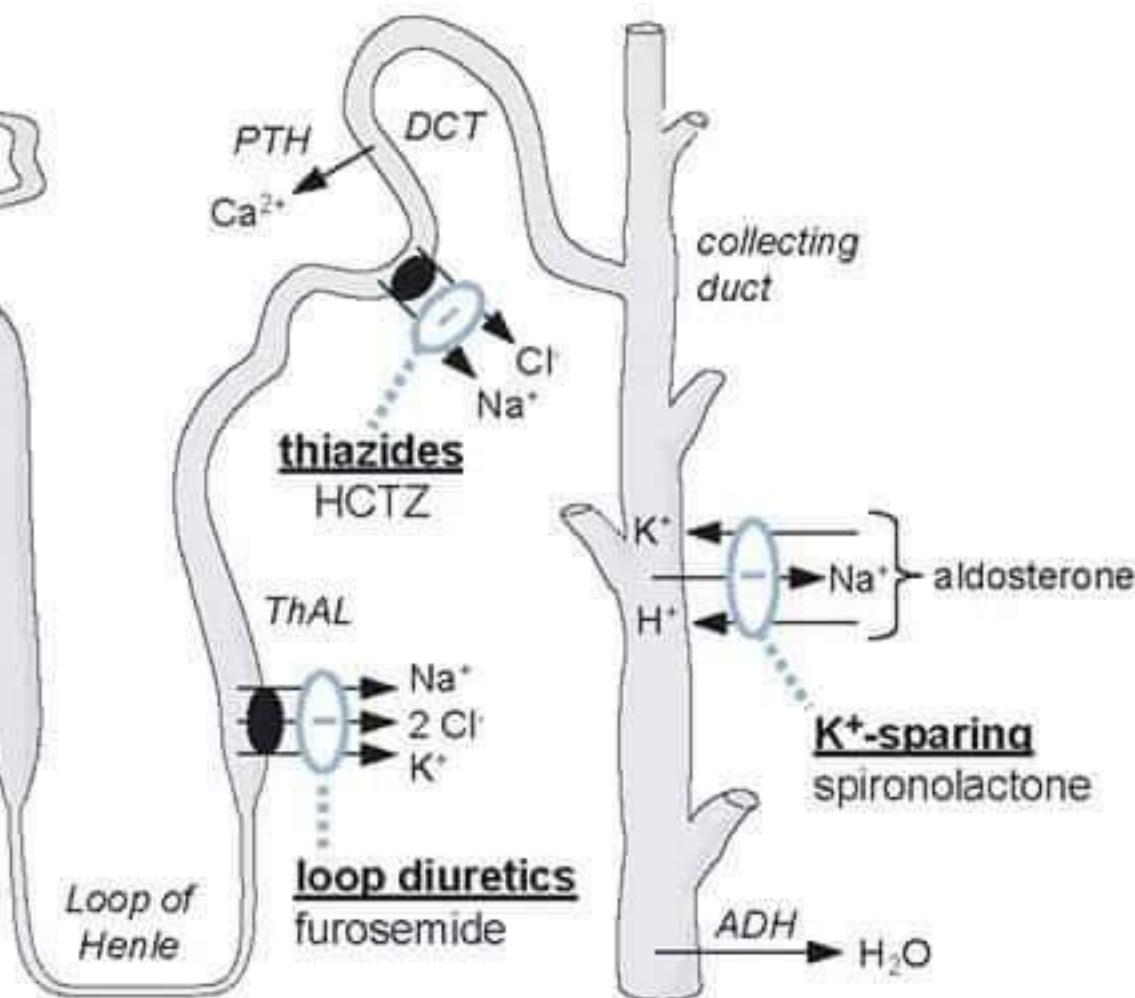
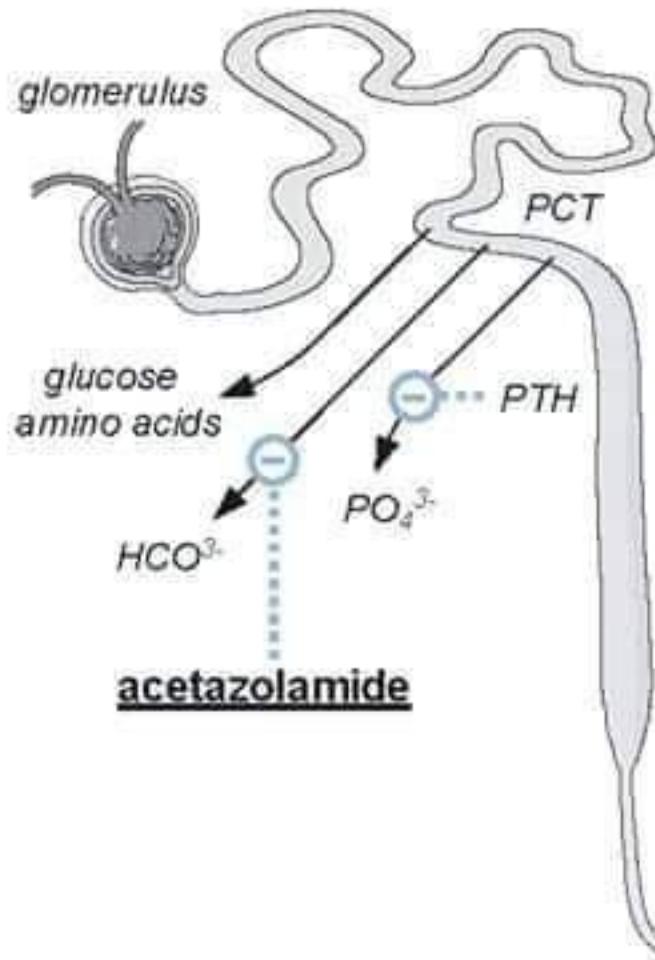
kidneys

ACEI and ARB have additional beneficial effects, beyond vasodilation, by decreasing levels of ATII and aldosterone, hormones that can promote cardiac fibrosis.

Na

# DIURETICS

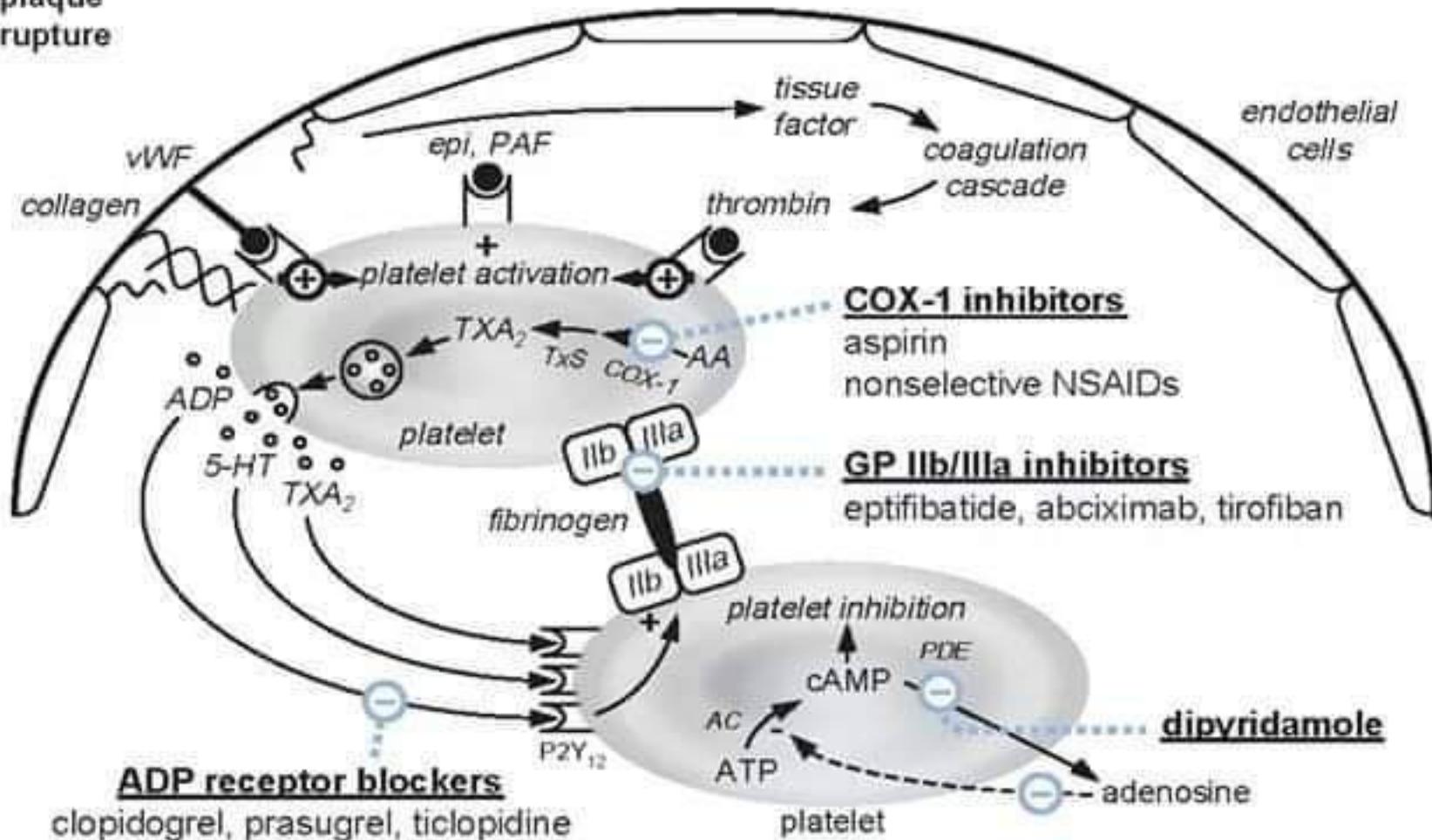
F



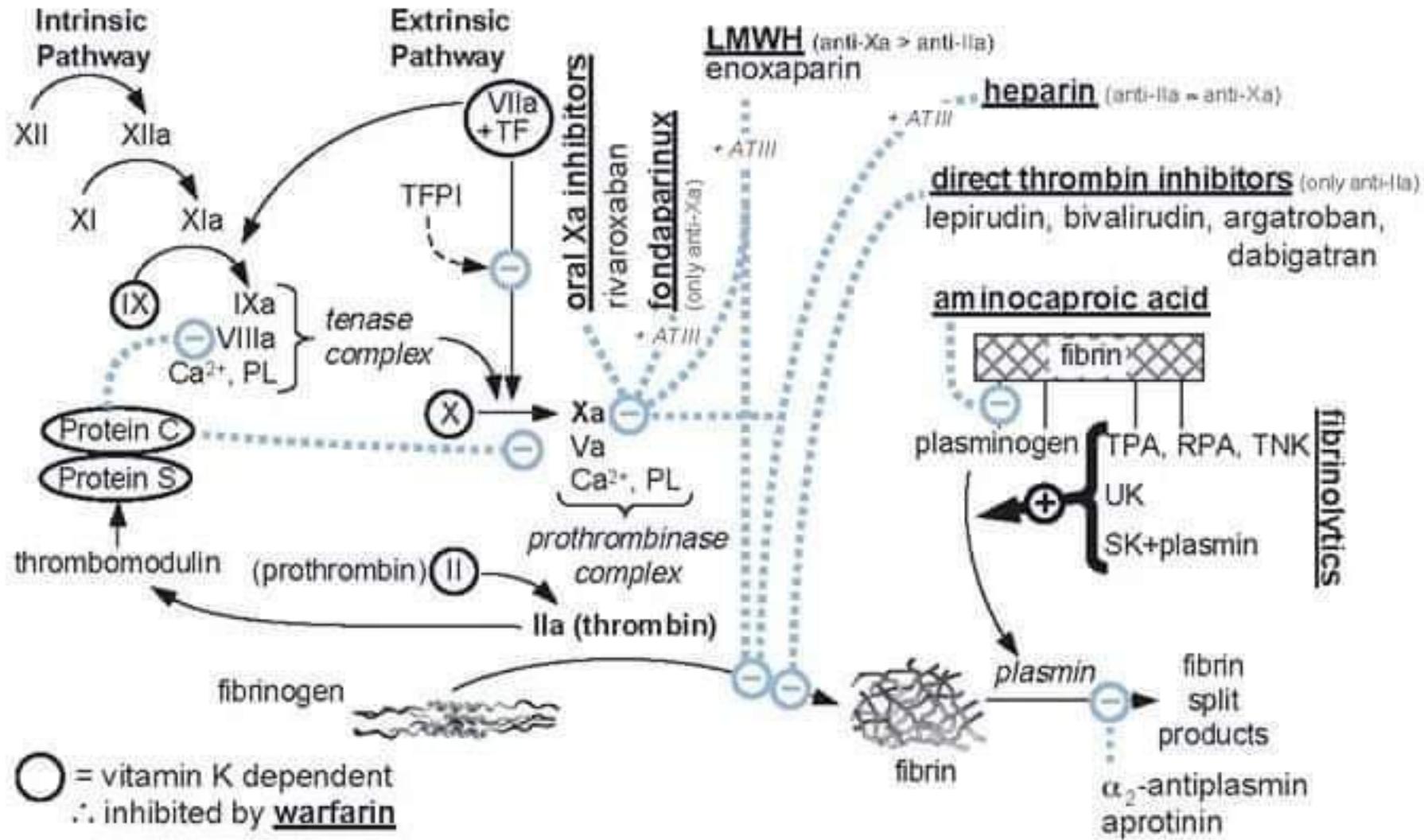
# ANTIPLATELET AGENTS

H

plaque  
rupture

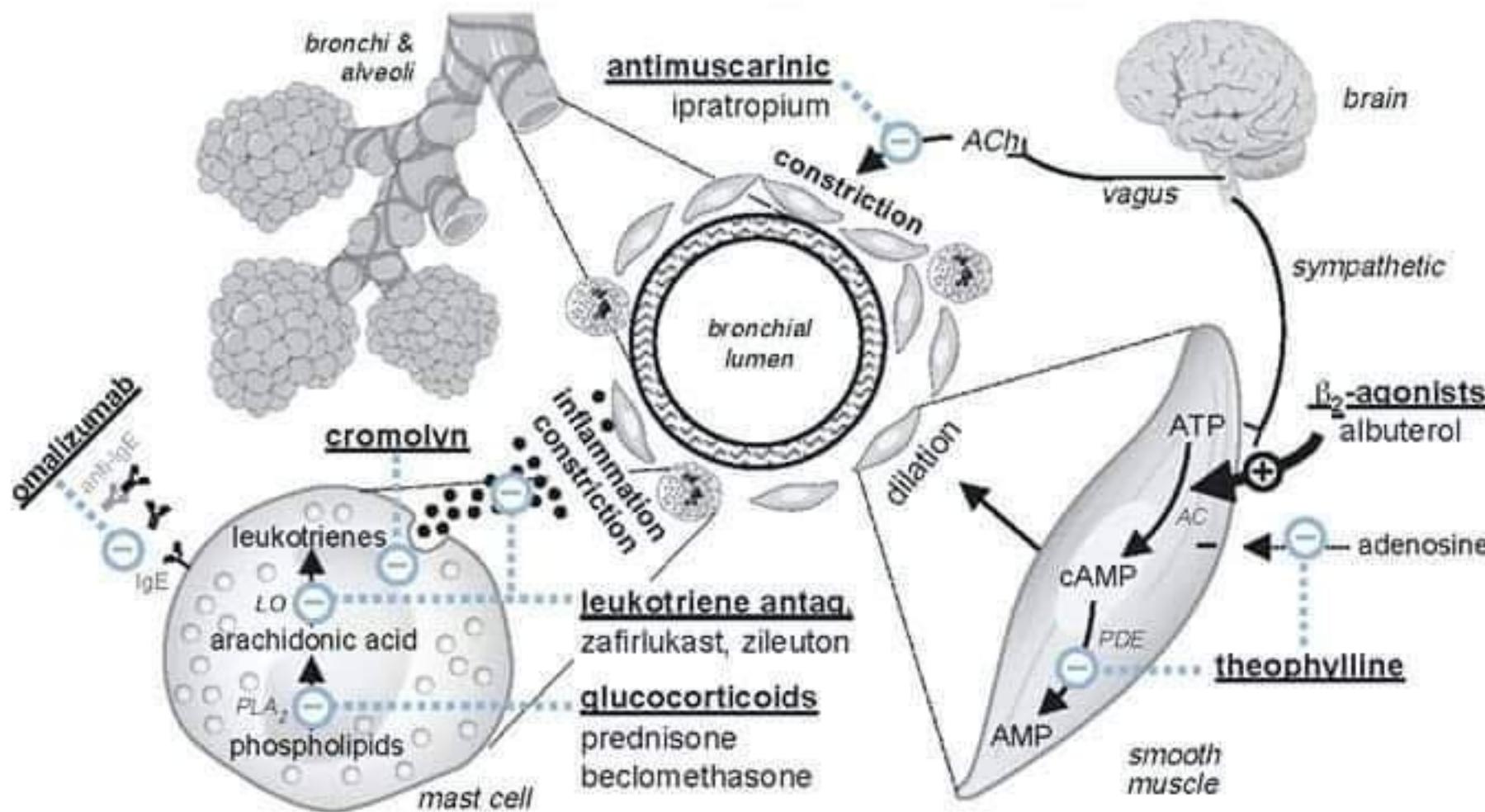


# ANTICOAGULANTS, PROCOAGULANTS, FIBRINOLYTICS



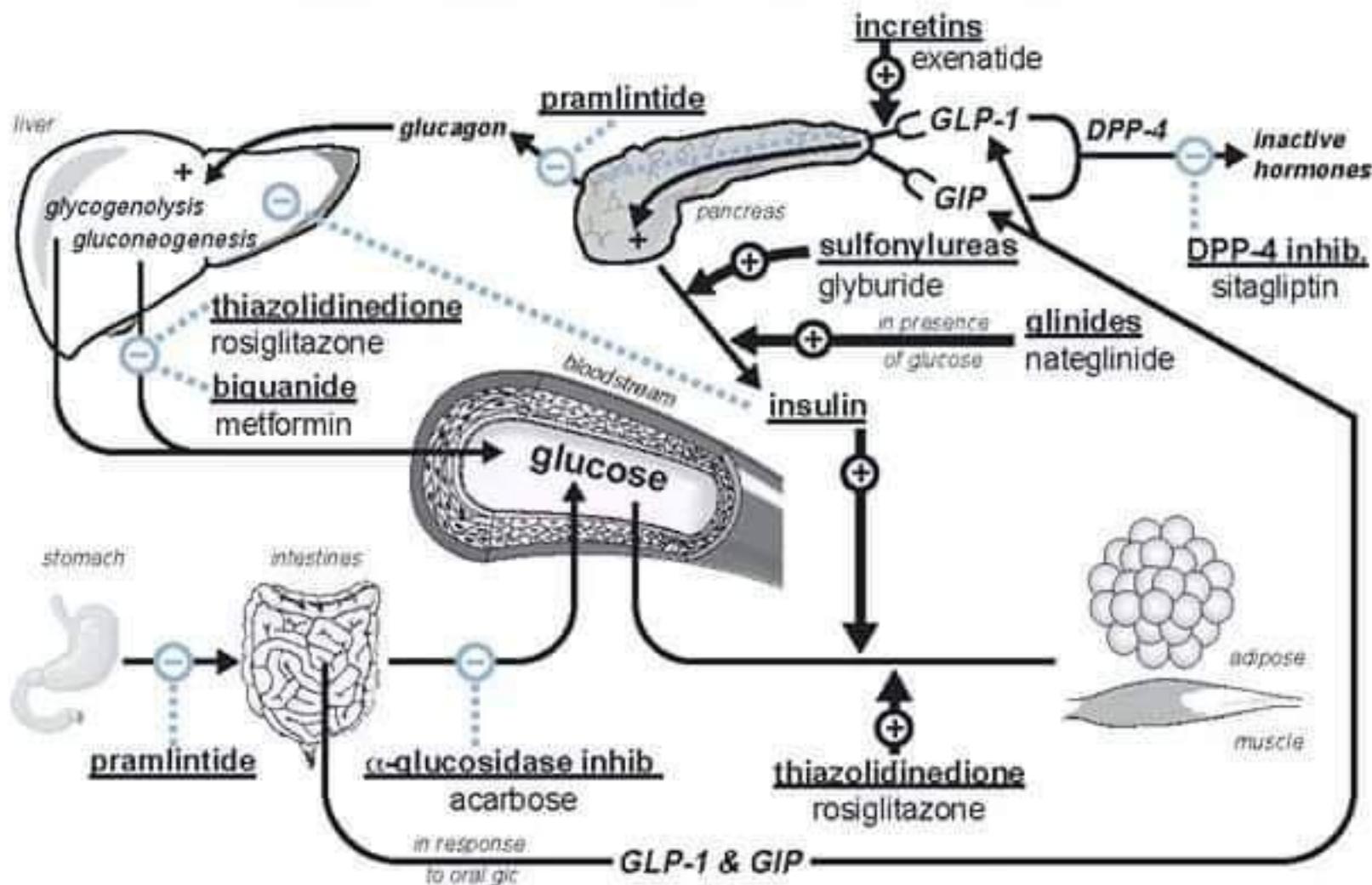
# PHARMACOLOGIC TREATMENT OF ASTHMA

1

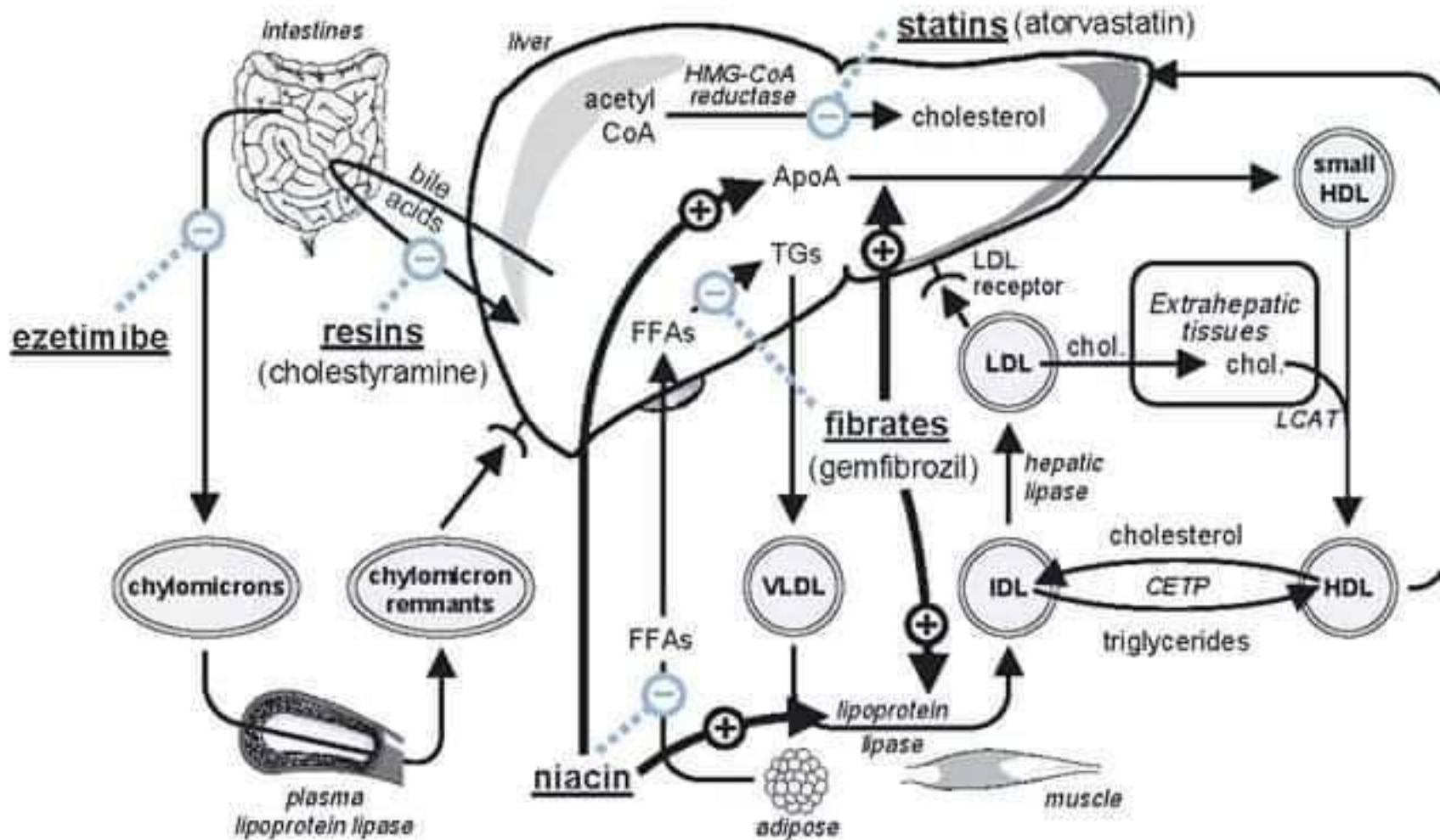


# PHARMACOLOGIC TREATMENT OF DIABETES

J

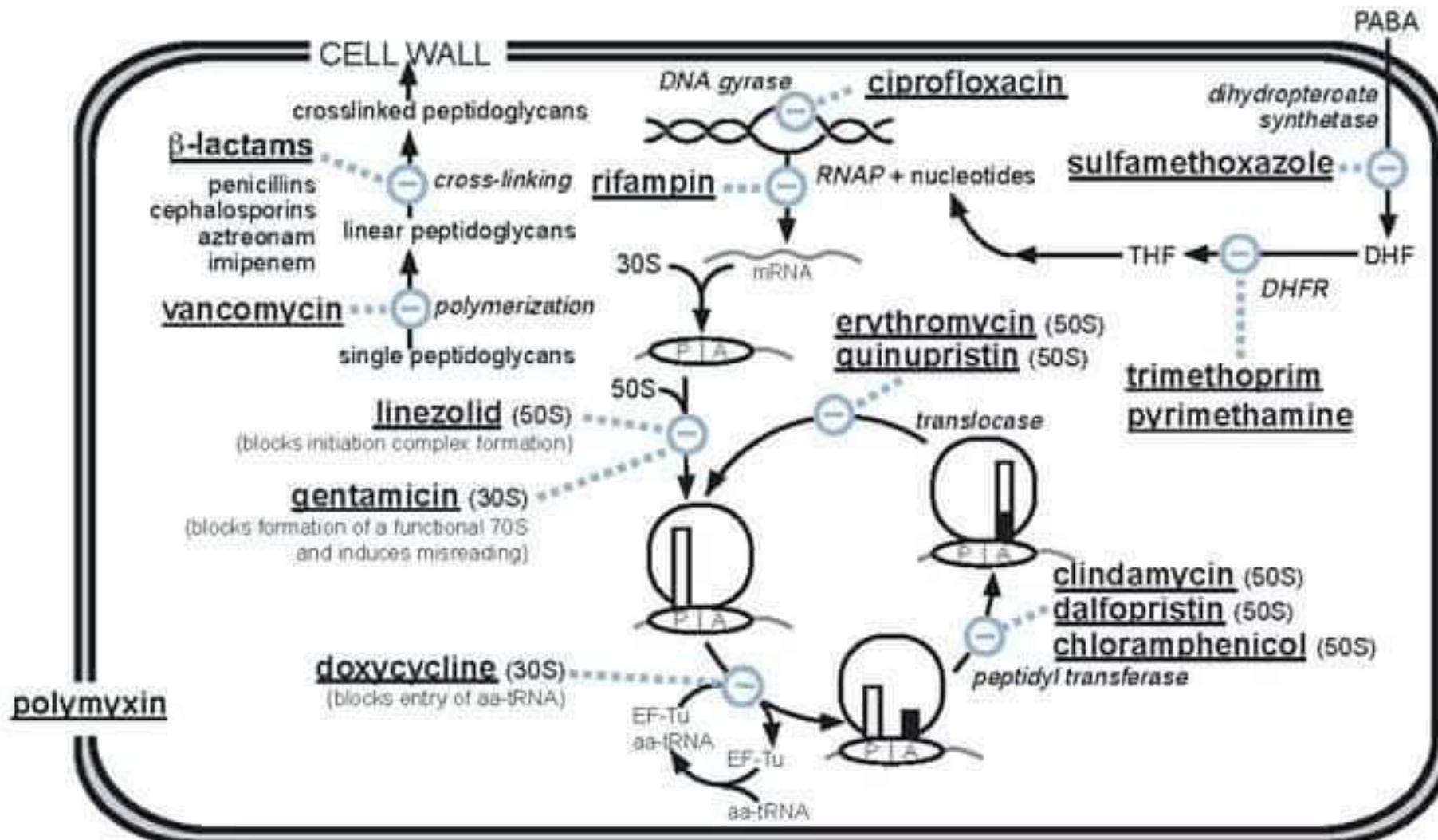


## PHARMACOLOGIC TREATMENT OF DYSLIPIDEMIA



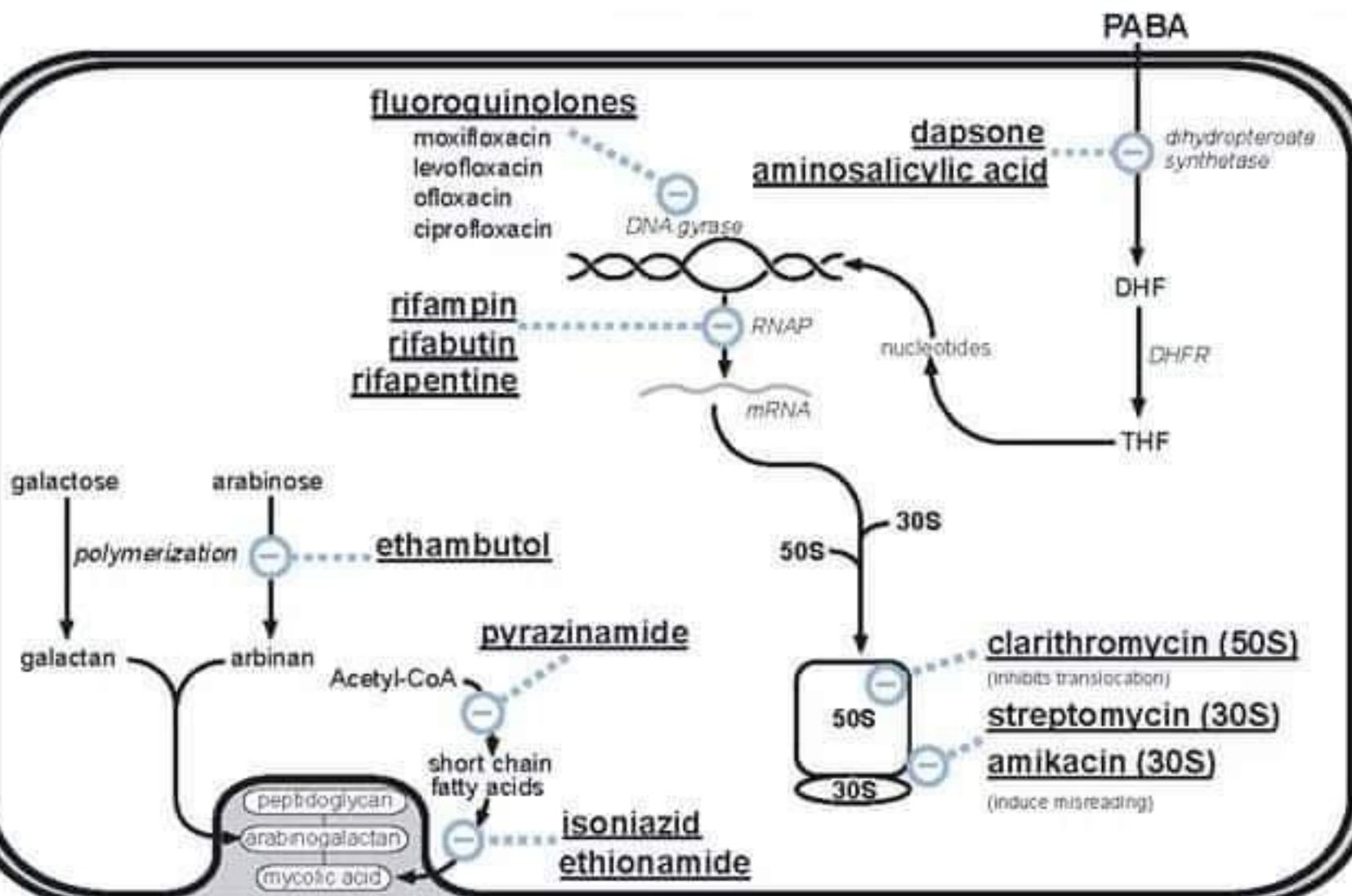
# ANTIBACTERIALS

K



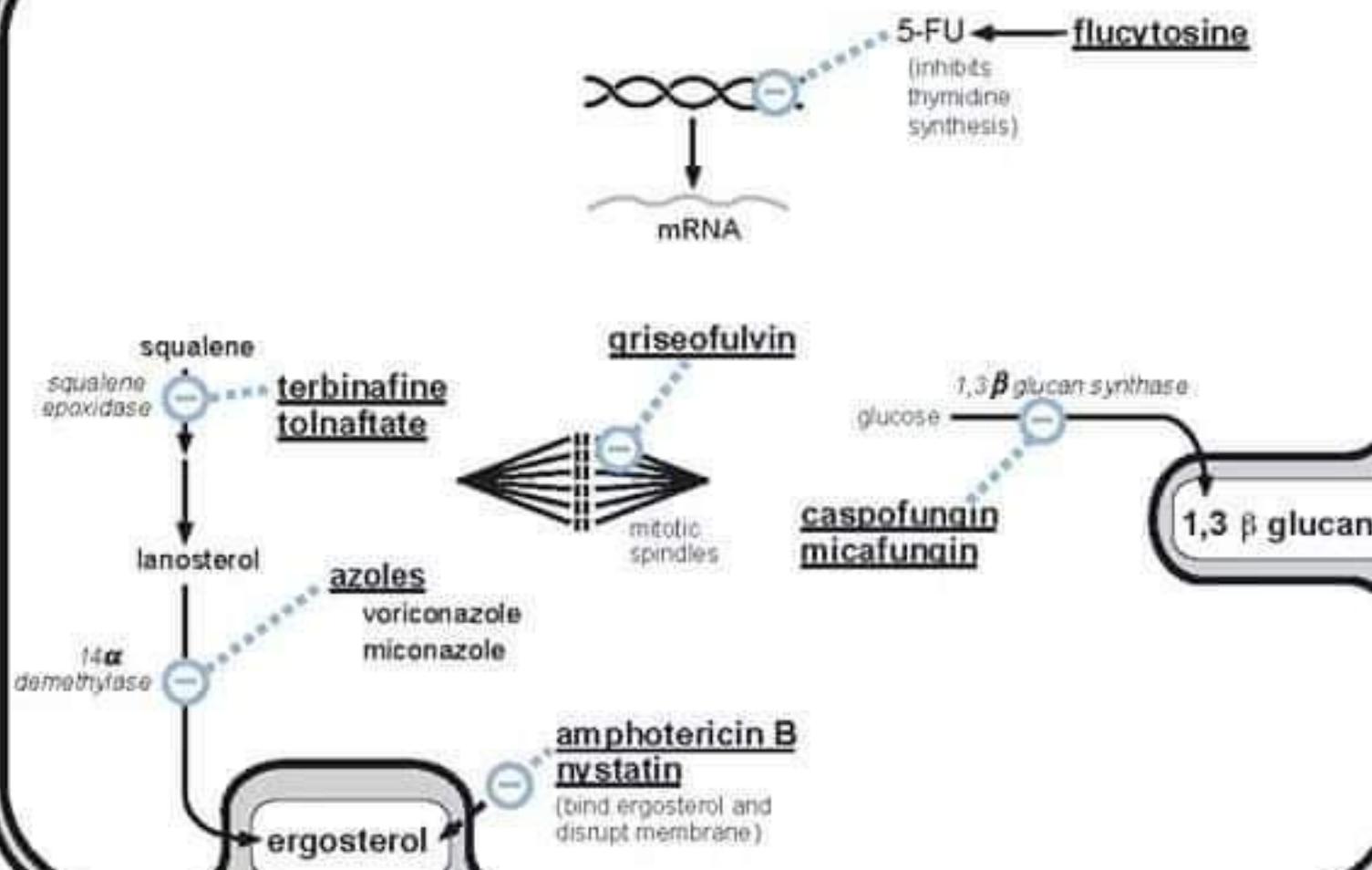
# ANTIMYCOBACTERIAL AGENTS

M

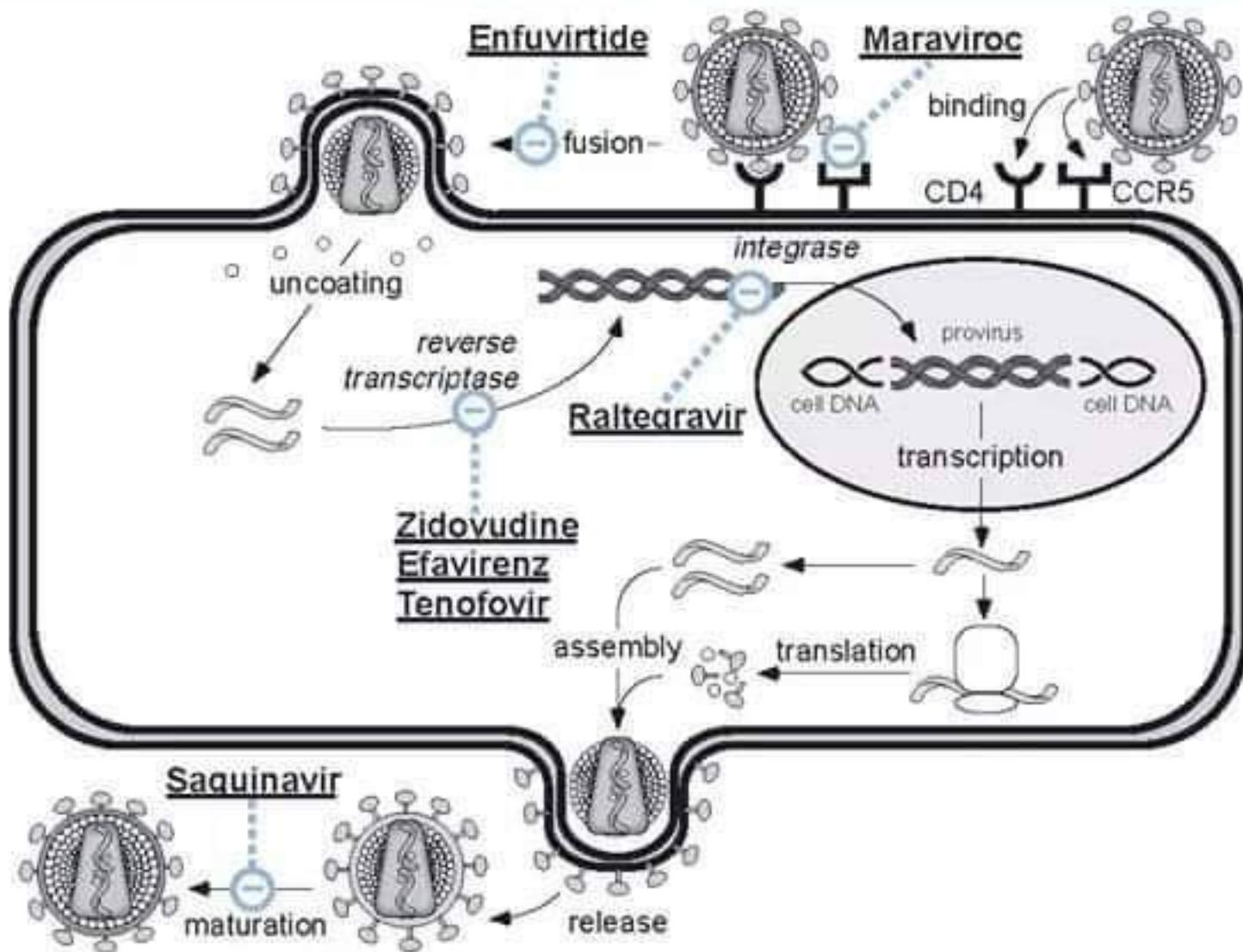


# ANTIFUNGAL AGENTS

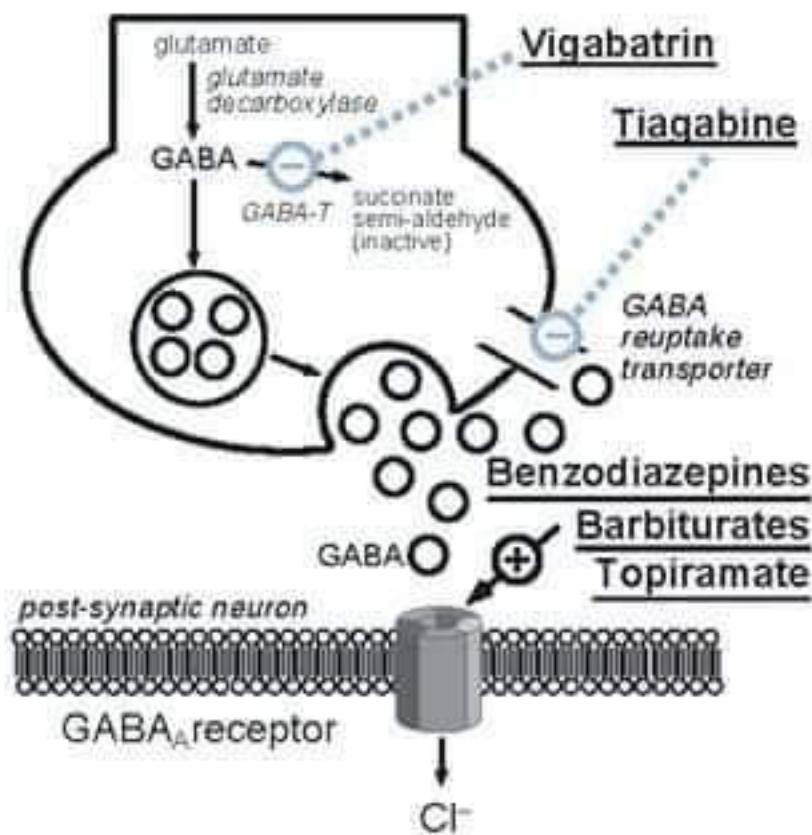
N



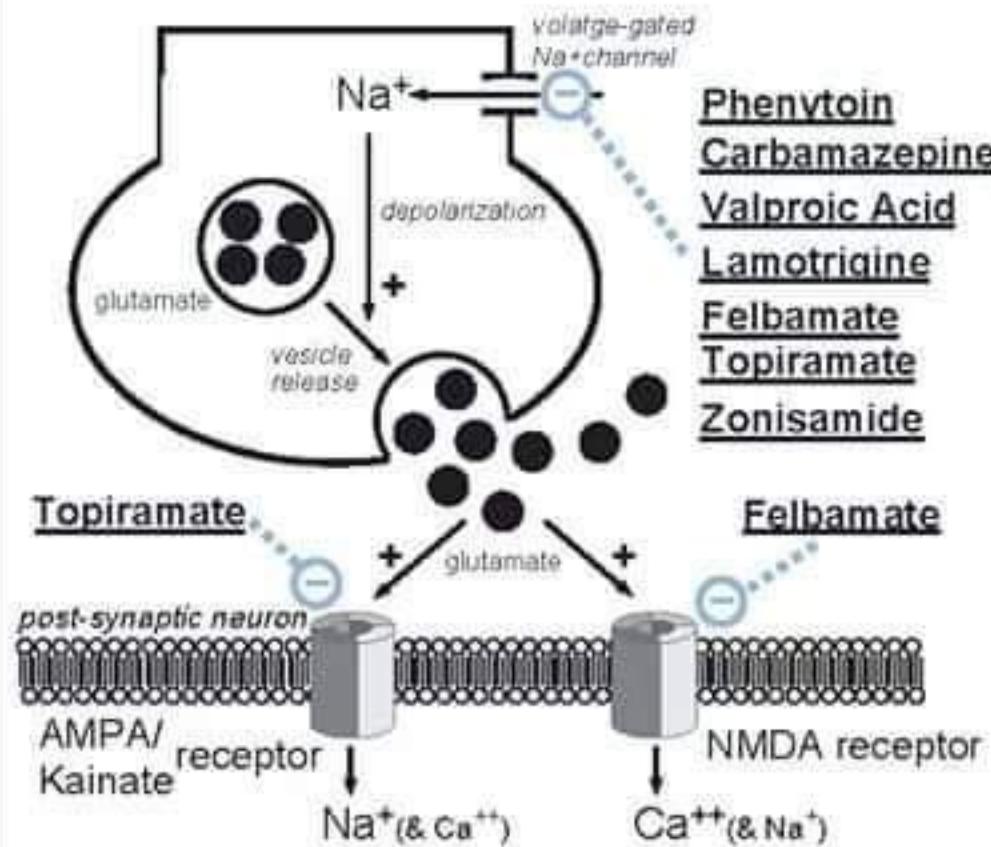
## ANTIRETROVIRAL AGENTS



## Inhibitory neuronal projection

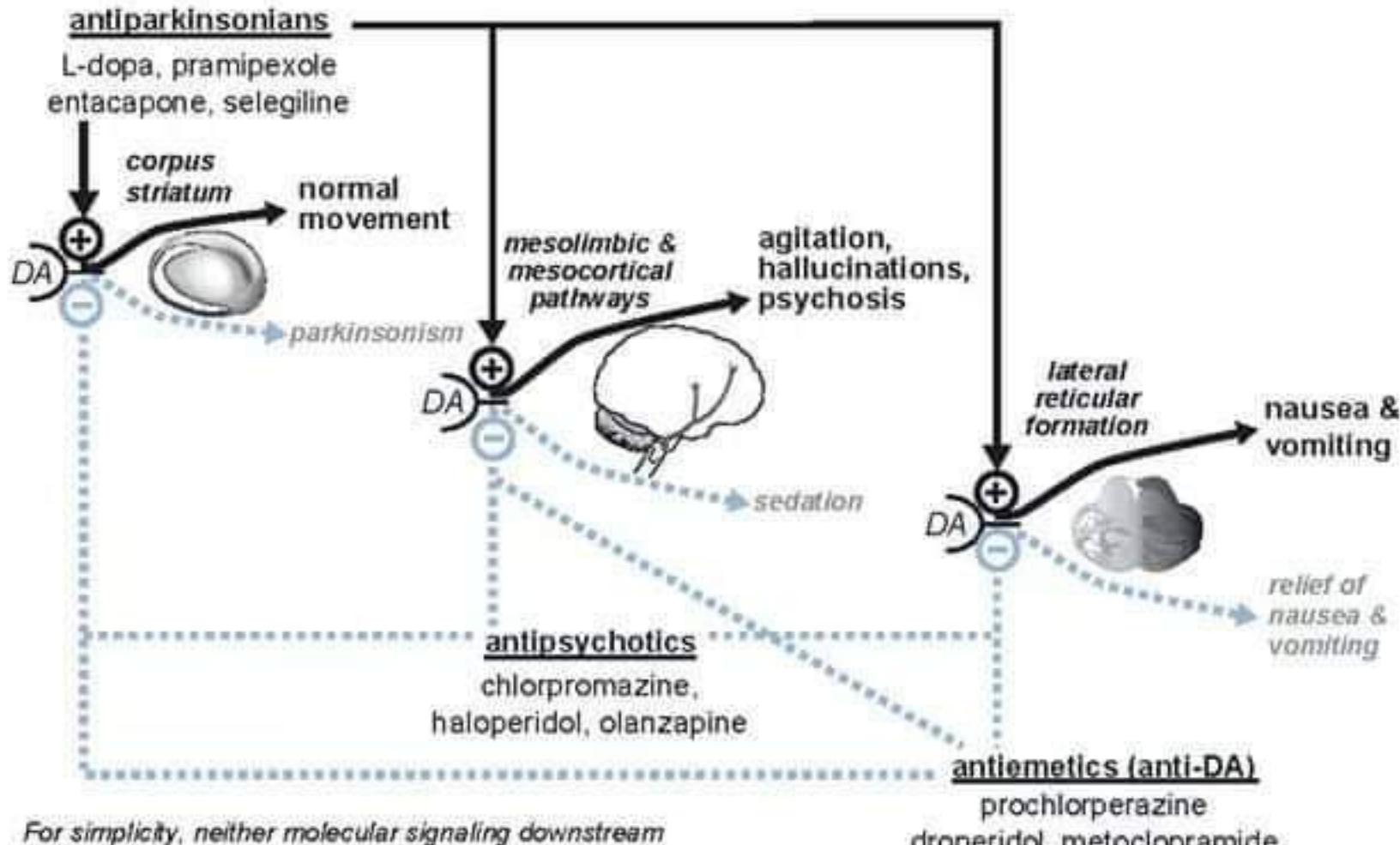


## Excitatory neuronal projection

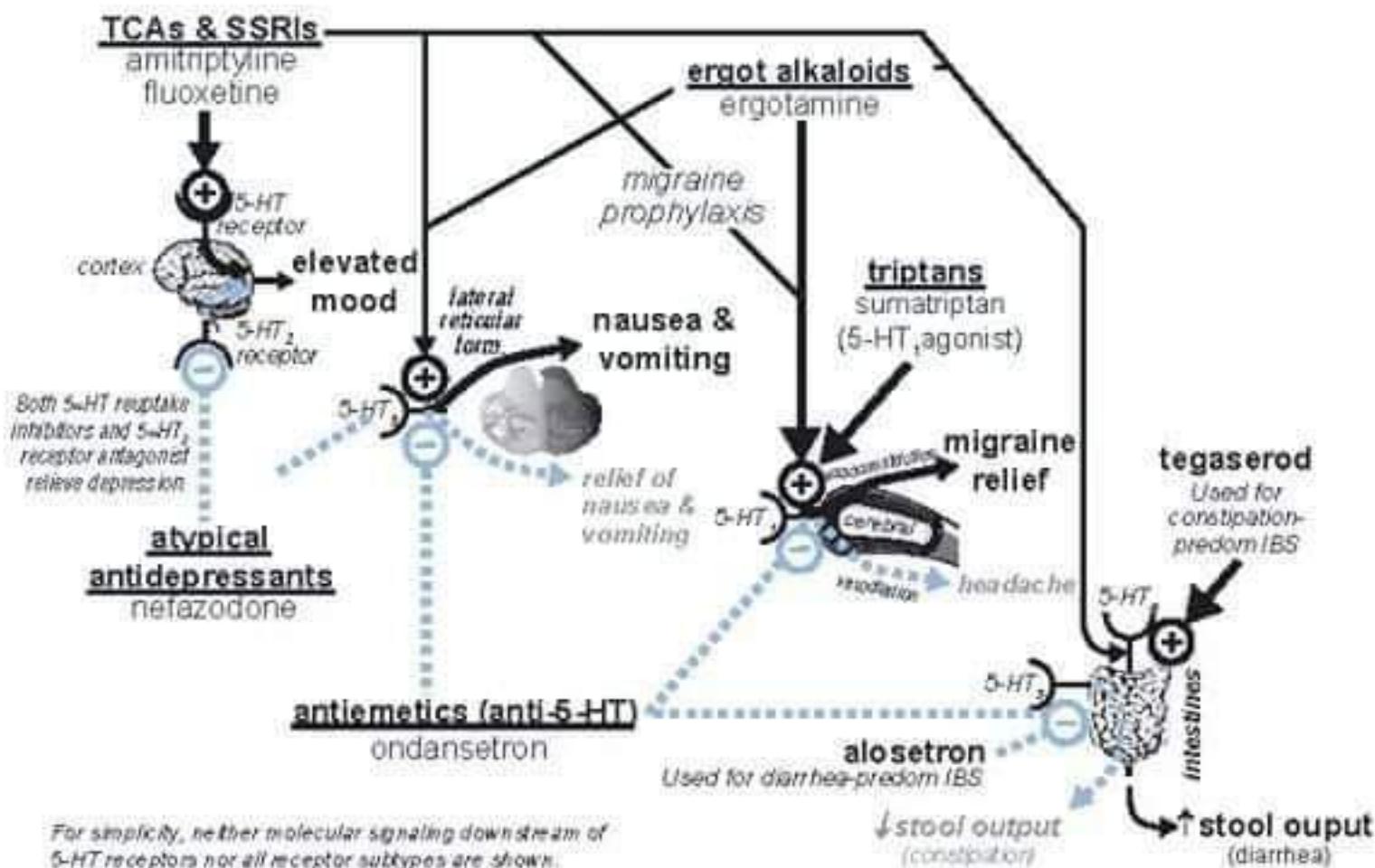


# DOPAMINE AGONISM & ANTAGONISM IN CNS

R

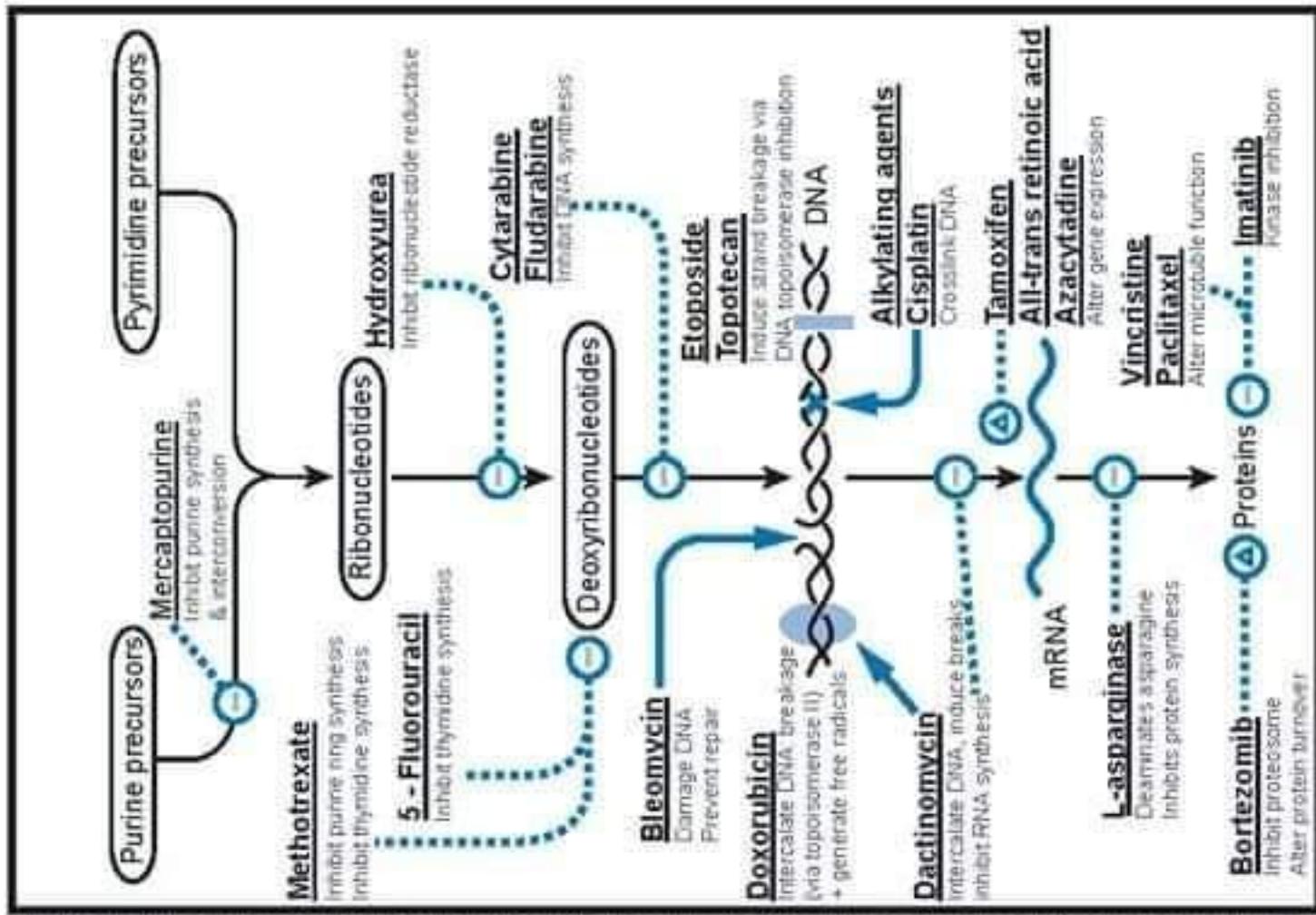


# SEROTONIN AGONISM & ANTAGONISM



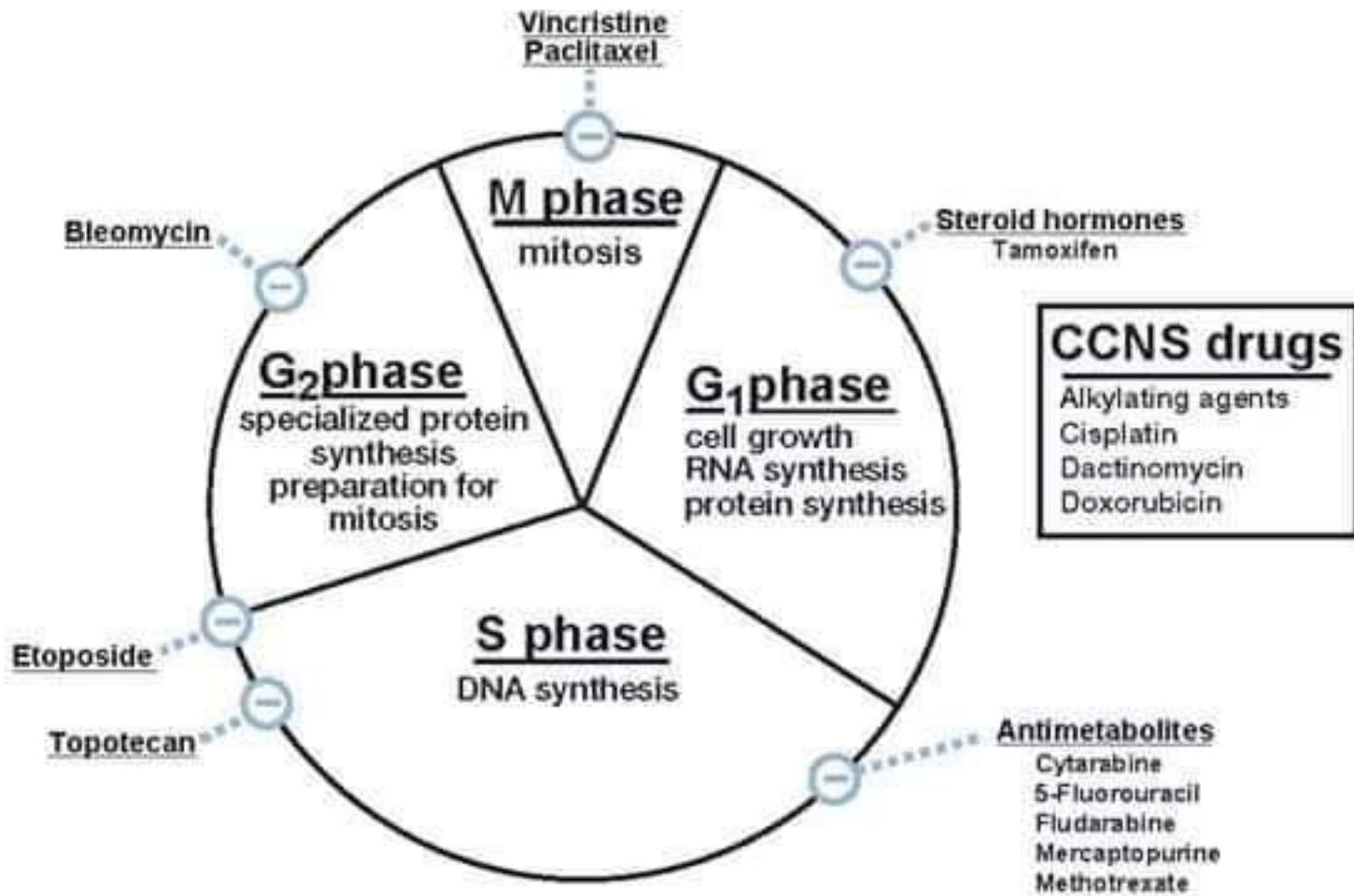
# ANTINEOPLASTICS

S



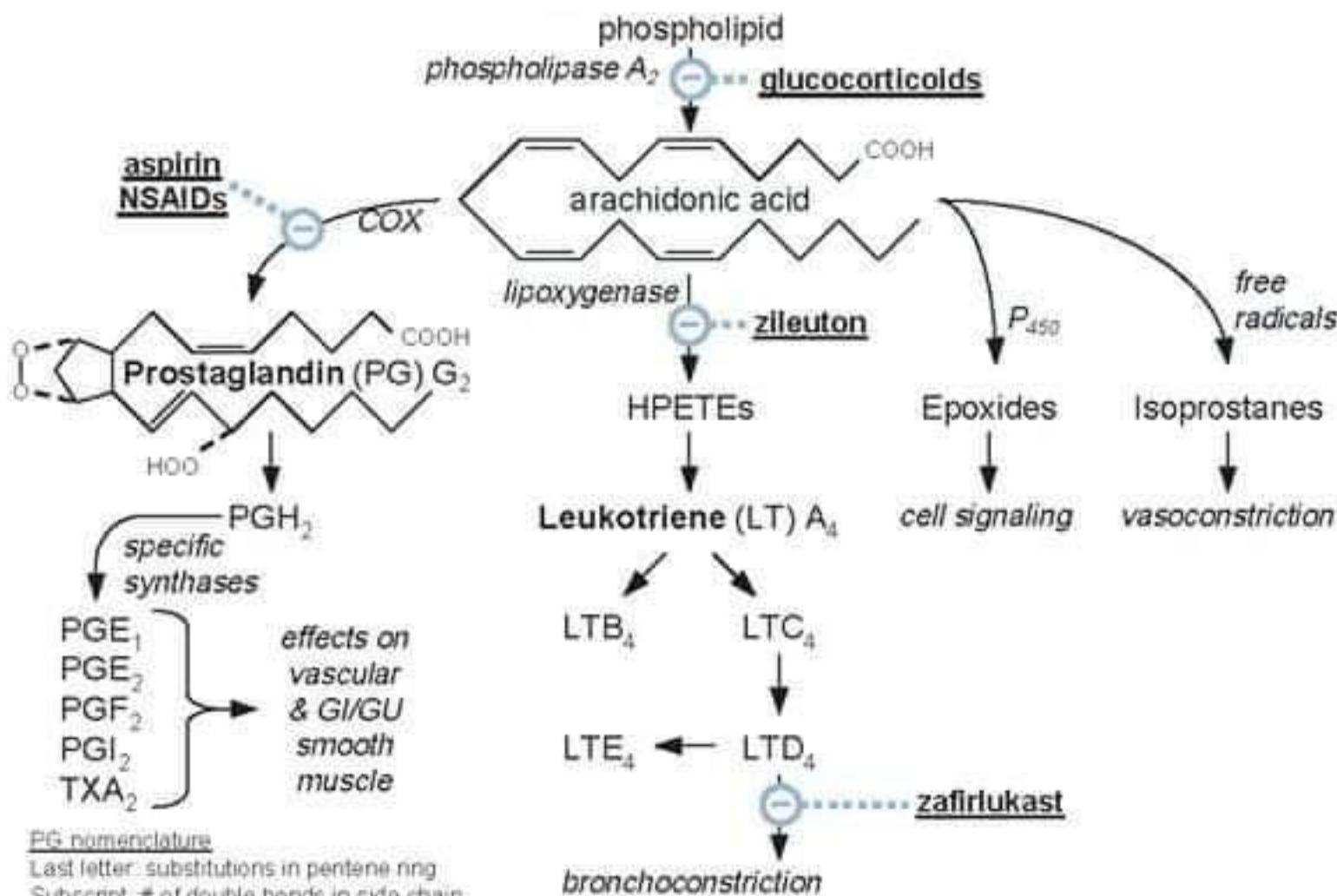
(Adapted from Hardman and Limbird [eds]. Goodman and Gilman's The Pharmacologic Basis of Therapeutics [11th ed]. New York: McGraw-Hill, 2006.)

# ANTINEOPLASTICS

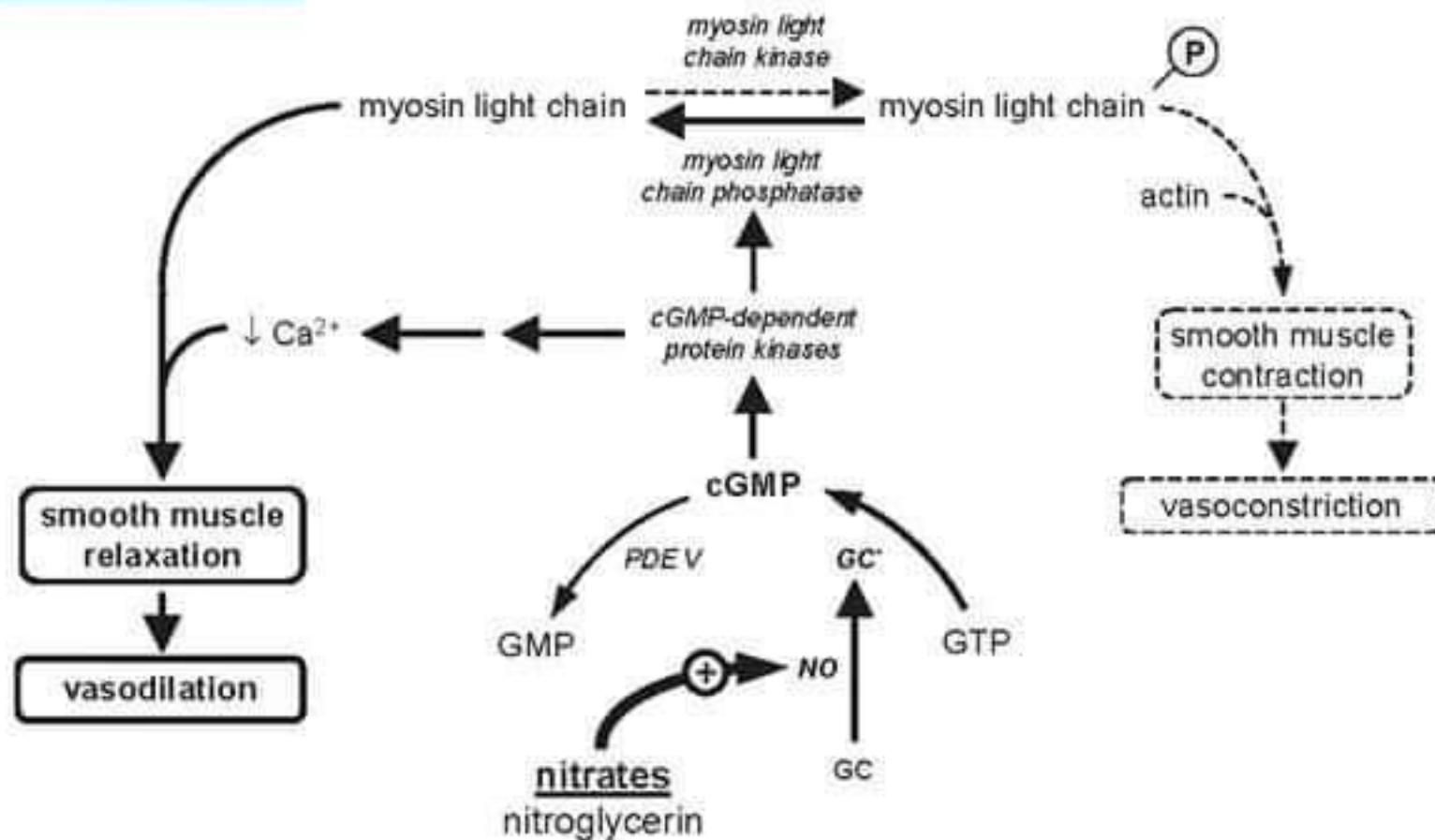
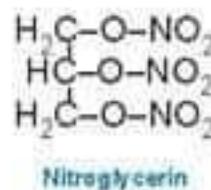


# EICOSANOIDS

U



**NITROGLYCERIN**  
**Isosorbide Dinitrate**  
**Isosorbide Mononitrate**

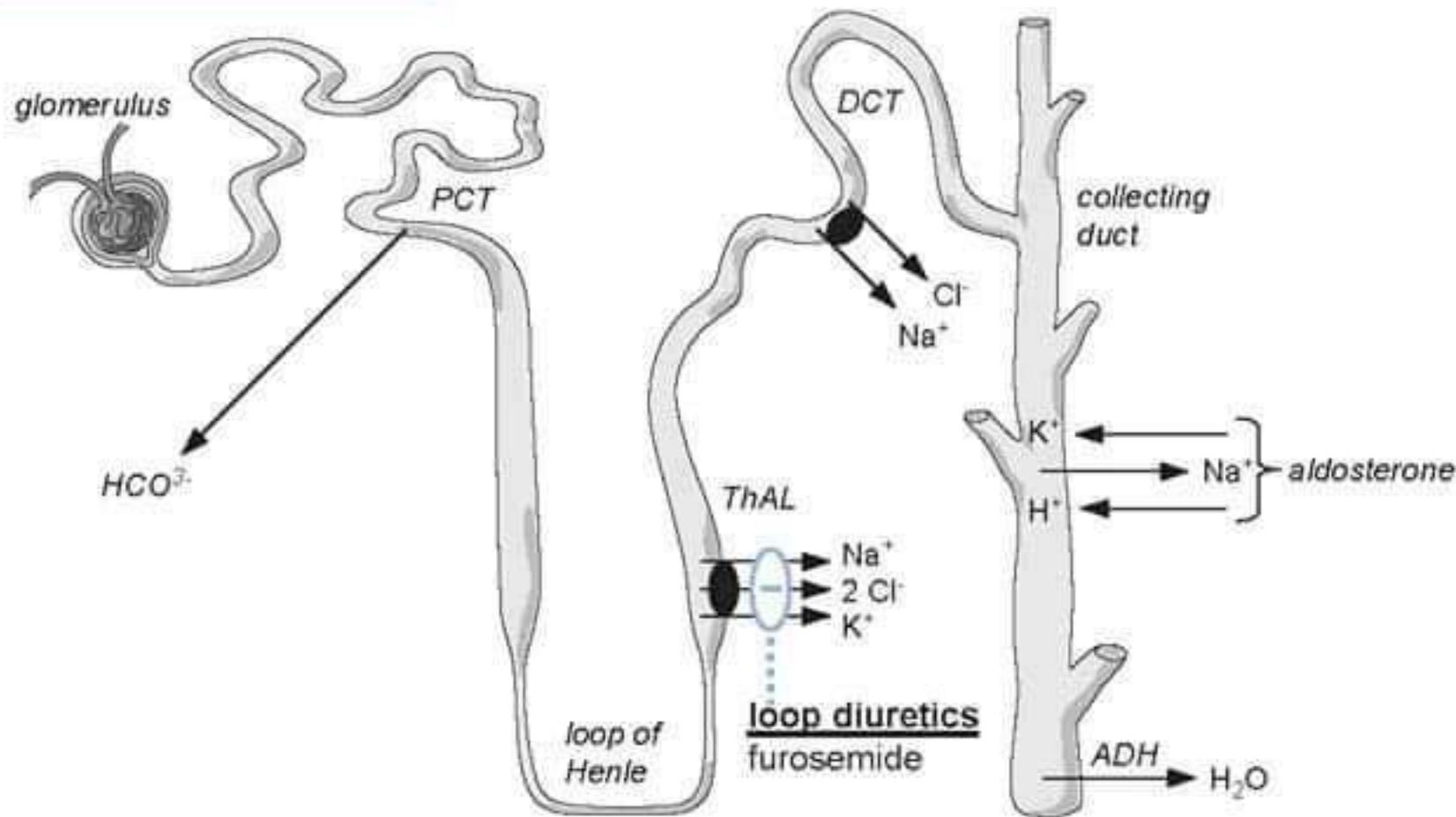


**FUROSEMIDE**

Bumetanide

Ethacrynic Acid

Torsemide



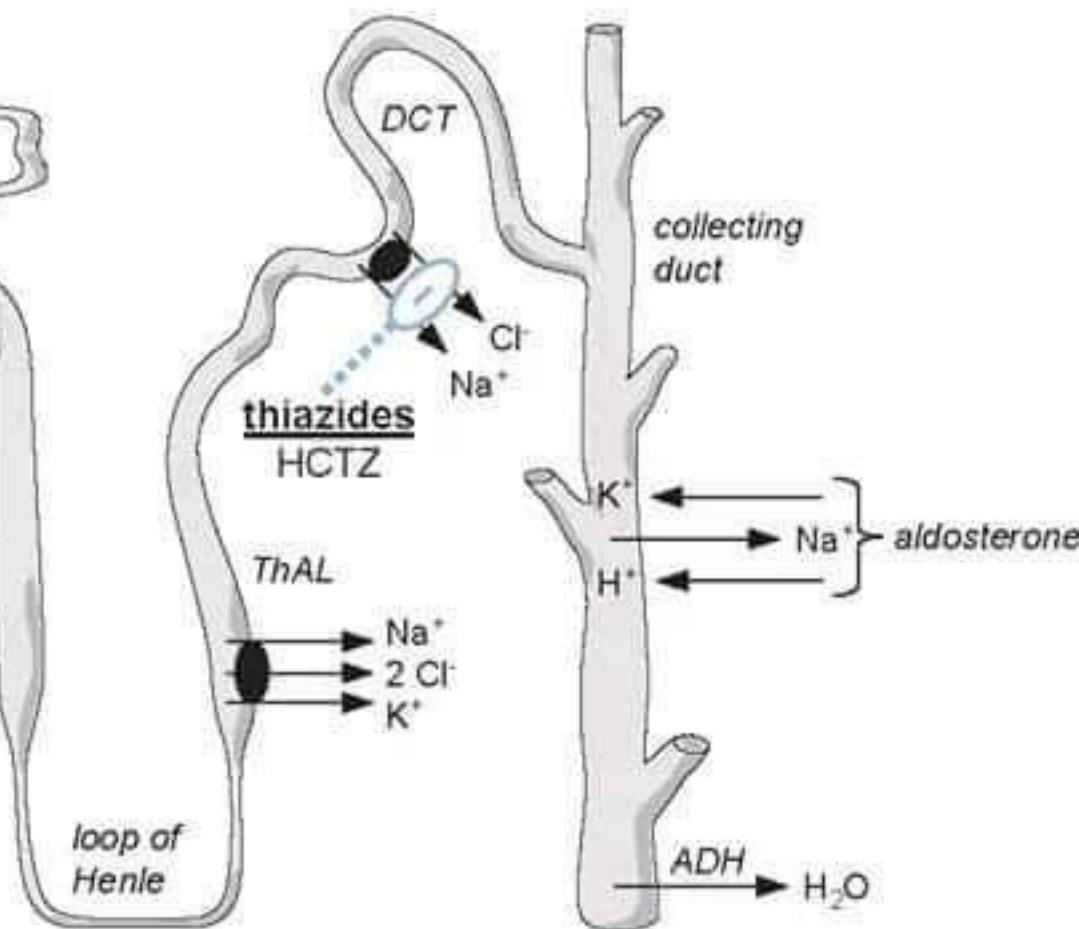
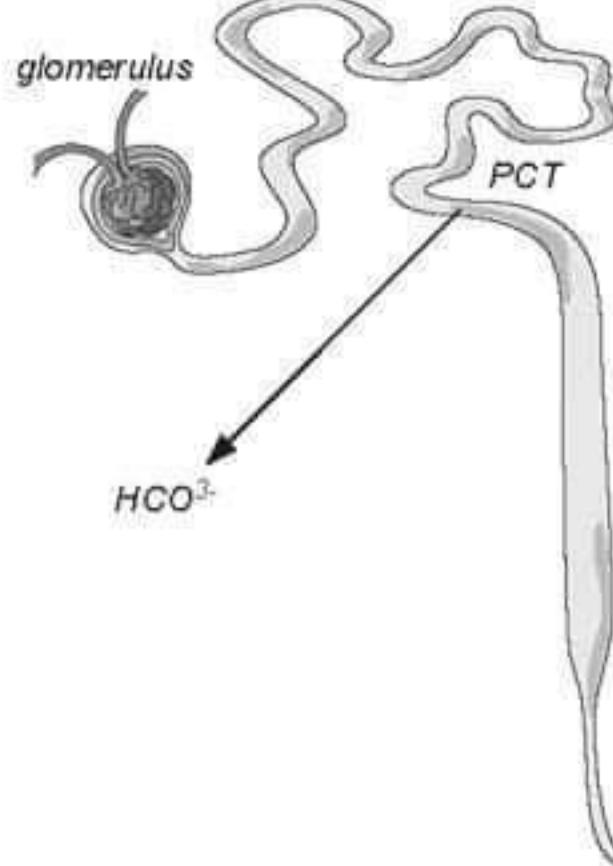
**HYDROCHLOROTHIAZIDE**

Chlorothiazide

Indapamide

Chlorthalidone

Metolazone

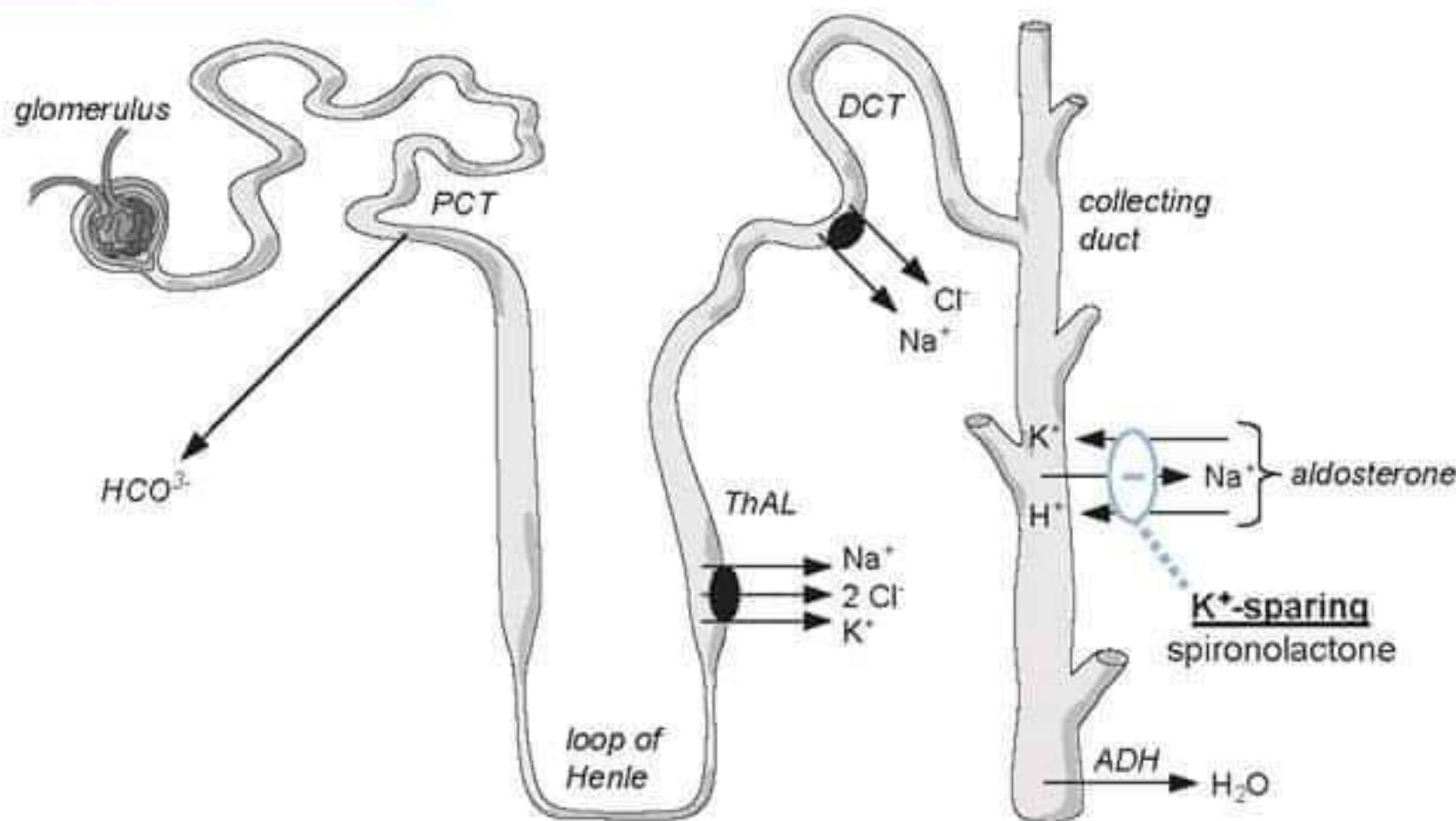


**SPIRONOLACTONE**

Triamterene

Amiloride

Eplerenone

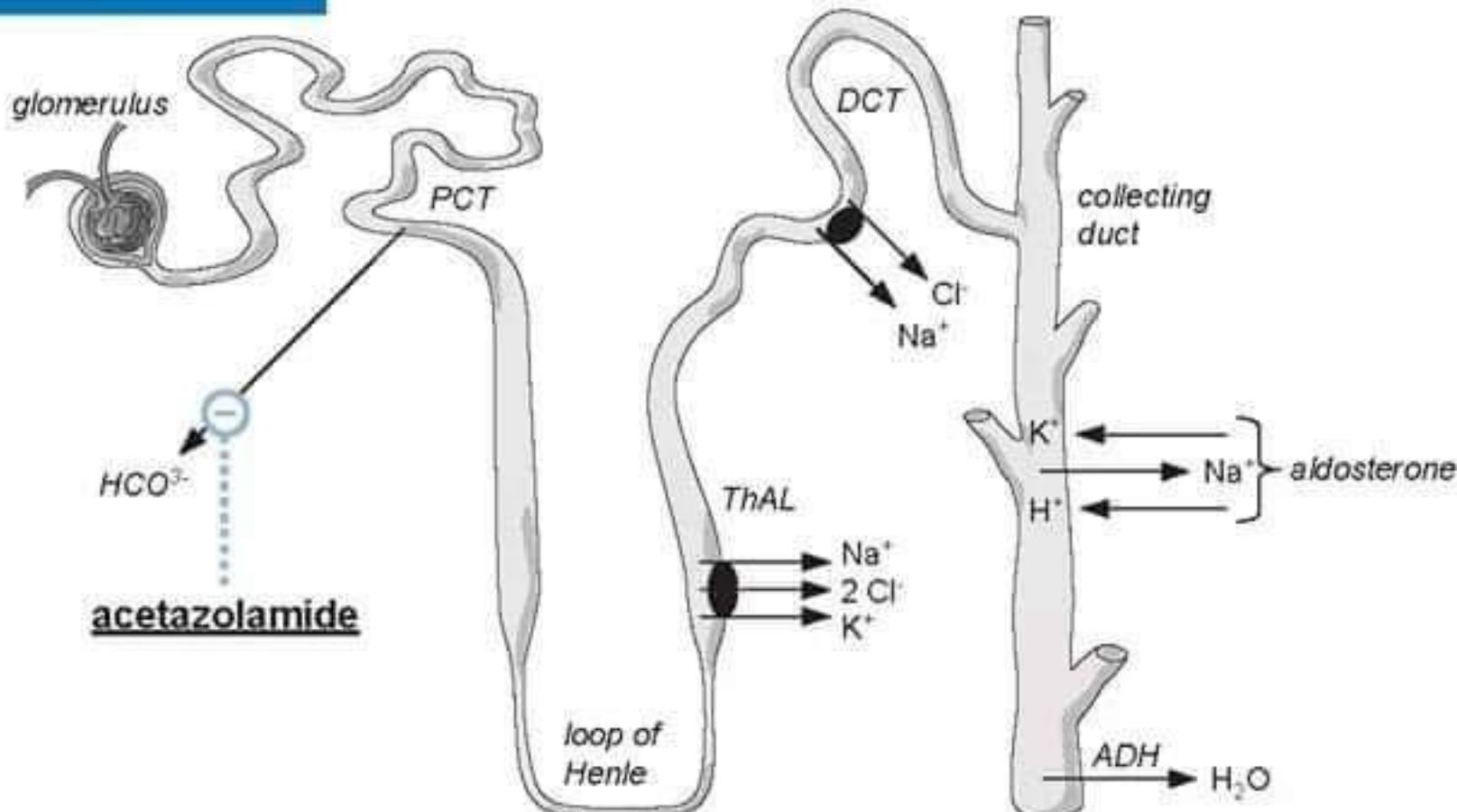


**ACETAZOLAMIDE**

Methazolamide

Brinzolamide

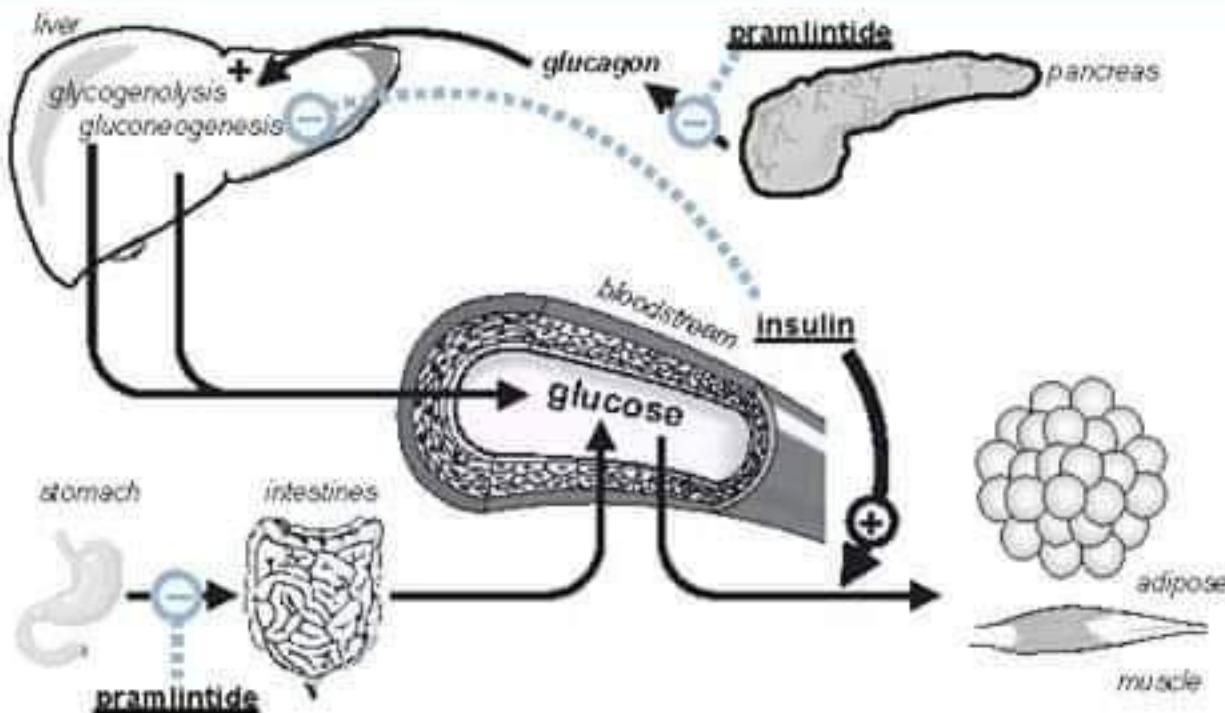
Dorzolamide



## INSULIN

## Pramlintide

Preparation type	Use	Examples
Rapidly acting	Premeal bolus to cover extra requirements after food	Aspart, glulisine, lispro, regular, crystalline zinc insulin (CZI)
Intermediate or long acting	Basal supplementation to suppress glucose production and maintain normoglycemia in the fasting states	NPH (neutral protamine Hagedorn), lente, ultralente, detemir, glargin



**GLYBURIDE**

Glipizide

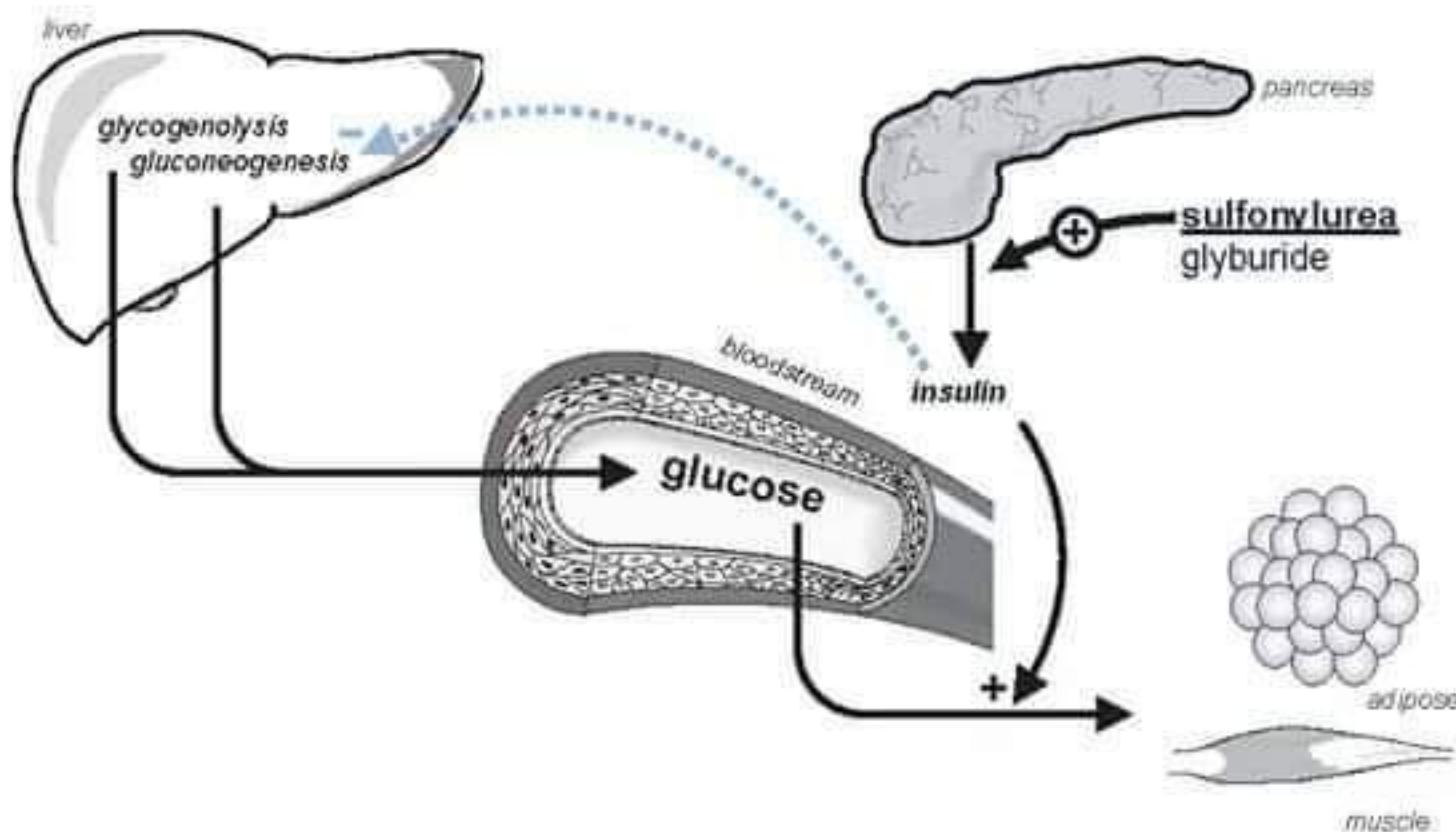
Glimepiride

Tolbutamide

Acetohexamide

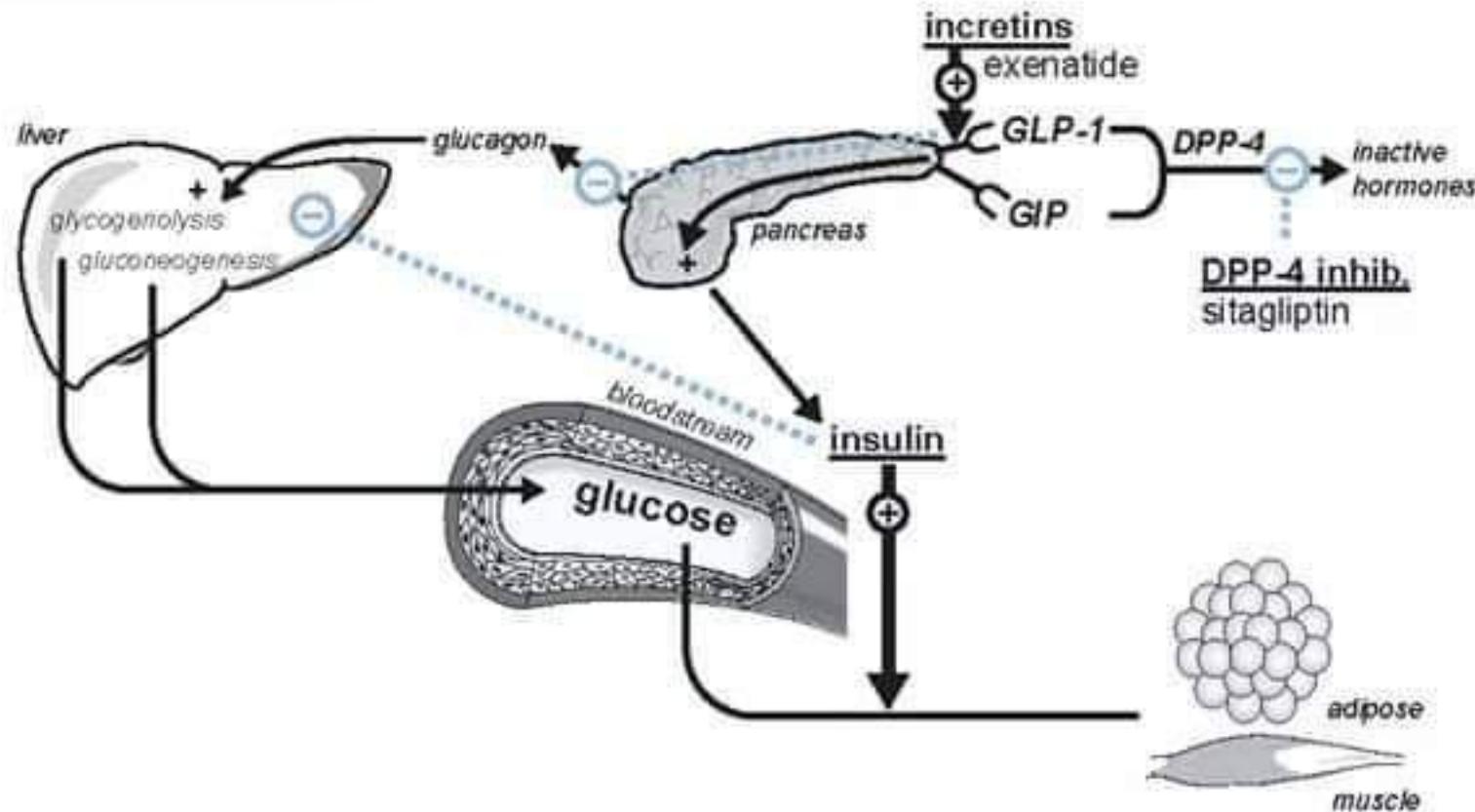
Tolazamide

Chlorpropamide



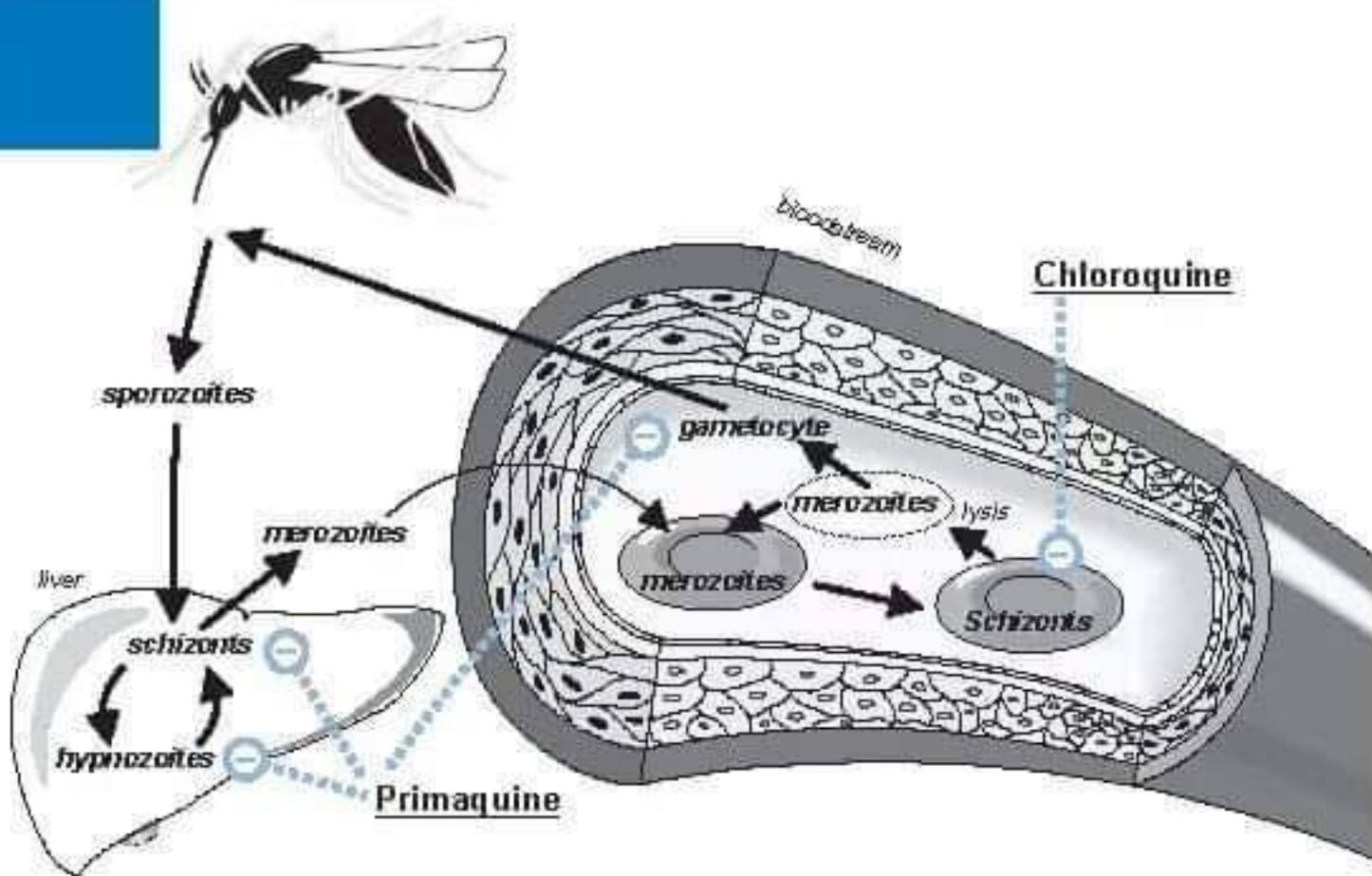
ENDO

EXENATIDE  
Sitagliptin  
Saxagliptin



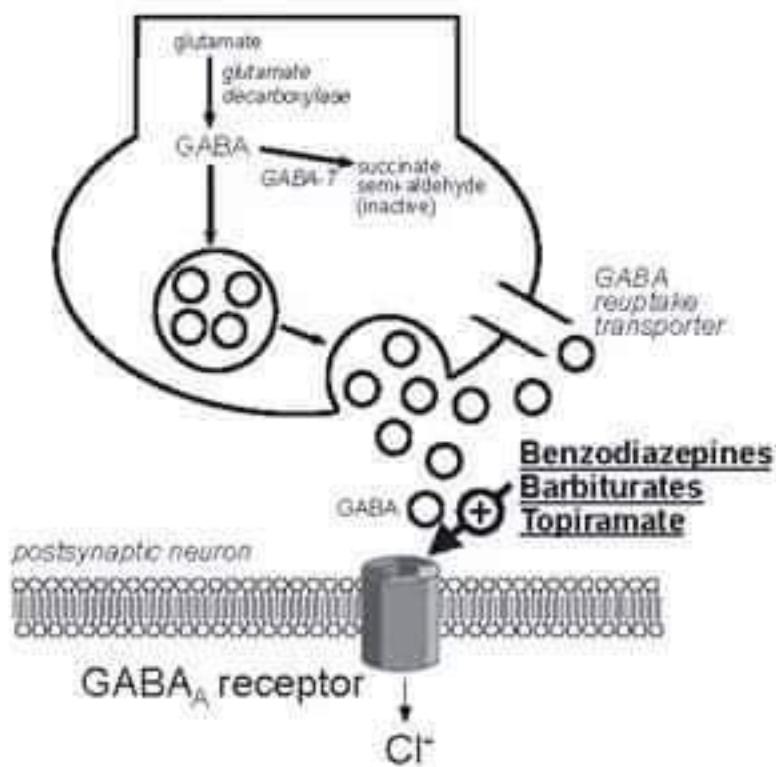
MICRO

CHLOROQUINE  
Melloquine  
Quinine

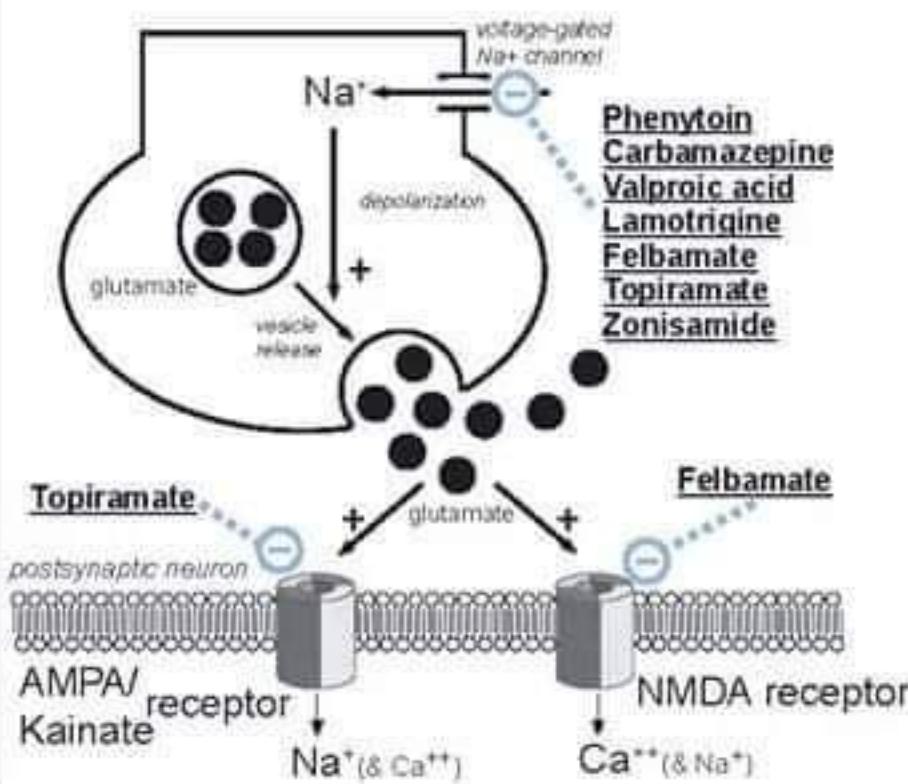


## TOPIRAMATE Felbamate

### Inhibitory neuronal projection

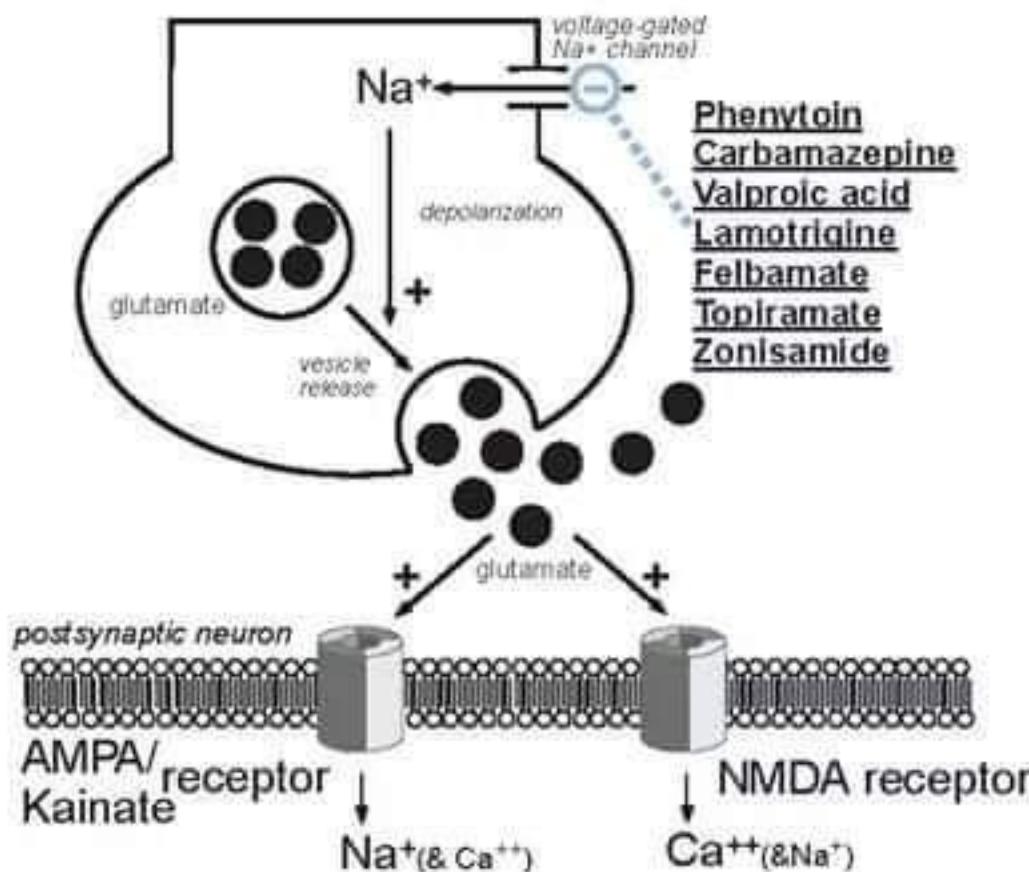


### Excitatory neuronal projection



(Adapted from Rho, JM, Sankar, R. The pharmacologic basis of antiepileptic drug action. *Epilepsia* 1999;40:1471–1483.)

## Excitatory neuronal projection



(Adapted from Rho, JM, Sankar, R. The pharmacologic basis of antiepileptic drug action. *Epilepsia* 1999;40:1471–1483.)

## INFLAM

CROMOLYN  
Nedocromil  
Lodoxamide  
Pemirolast  
Omalizumab

