

Picture supported

Egyptian Drug Guide

3rd Edition
2011

Department of Pharmacy Practice and Clinical Pharmacy

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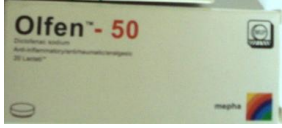










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Drugs for Neurologic Disorders

❖ Pain Management

Analgesic, Anti-inflammatory and Anti- pyretic drugs

| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|--|----------------------------|---|---|
| NSAID (Selective COX ₂ Inhibitor) | Celecoxib | Celebrex [®]  | celoxic [®] |
| | Meloxicam | Mobic [®]  | Anticox II [®] |
| NSAID (Nonselective COX inhibitor) | Piroxicam | Feldene [®]  | Brexin [®]  |
| | Lornoxicam | Xefo [®]  | |
| | Ibuprofen | Brufen [®]  | Marcofen [®]  |
| | Ketoprofen | Ketofan [®]  | Profenid [®]  Bi-Profenid [®] (150mg)  |
| Combination | Ibuprofen + Paracetamol | Megafen | |









| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|---------------------------------------|------------------------|--|--|
| NSAID (Nonselective COX inhibitor) | Diclofenac Sodium | Voltaren®  | Olfen®  Anuva® |
| | Diclofenac sodium | Dolphin® (suppository)  | Voltaren® (suppository)  |
| | Diclofenac Potassium | Catafast® (sachets)  | Catafly® |
| | Diclofenac Potassium | Cataflam®  | Oflam®  |
| | Aceclofenac | Bristaflam  | Amoflam  |
| | Indomethacin | Indocid®  | Indomethacin®  |
| | Metamizole = Dipyrrone | Novalgine Oblong®*  | |

*Safety concerns (Agranulocytosis)





Hints:

-profen, -fenac, -oxicam = NSAID's



Analgesic and Antipyretics

| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|---------------------------------|------------------------------|--|---|
| Analgesic and Antipyretic drugs | Paracetamol | <p>Panadol®</p>  | <p>Abimol® / Cetal®</p>  |
| | ASA + Caffeine + Paracetamol | <p>Excedrin®</p>  | <p>Markadel®</p>  |
| | Caffeine + Paracetamol | <p>Panadol Extra®</p>  | <p>Abimol Extra®</p>  |
| | Paracetamol + Vit. C | <p>Cevamol® (eff.)</p>  | |
| | Aspirin + Vitamin C | <p>Aspirin C® (eff.)</p>  | <p>Aspro® (eff.)</p> |


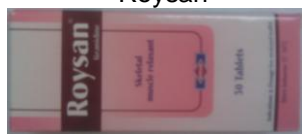


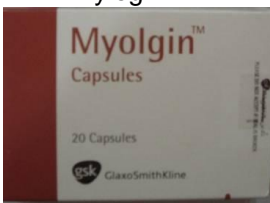



Opioid analgesics

| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|---|-----------------------|--|---|
| μ-opioid Receptor agonist & NE,5-HT-modulator | Tramadol HCl | <p>Tramadol®</p> <p>Tamol®</p>  | <p>Trama SR®</p>  <p>Ultradol®</p>  |
| | Sumatriptan succinate | <p>Imigran®</p>  | <p>Sumagrai®n</p> |



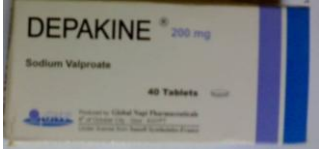



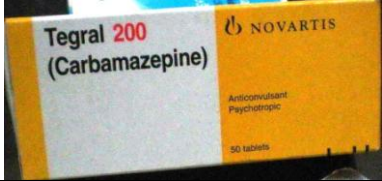


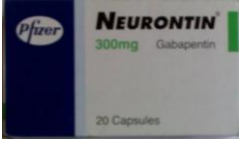
Migraine drugs

| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|--------------|---|---|----------------------------|
| combination | Ergotamine+ Caffeine + paracetamol+ Domperidone | No-Migrain [®]  | |
| | Ergotamine + Caffeine + Memprobamate +analgin | Migrainil [®] (Nile Company)  | prescribed medication only |

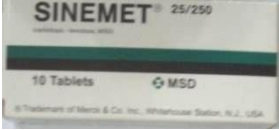

Skeletal Muscle Relaxants

| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|--|---------------------------------|--|--|
| 5HT-1 Receptor agonist | Tizanidine | S.M.R [®]  | Roysan [®]  |
| Alpha ₂ -Adrenergic agonist | Chlorzoxazone + Ibuprofen | Myofen [®]  | Mark fast [®]  |
| | Chlorzoxazone + Paracetamol | Myogin [®]  | Relaxon [®] , myoflex [®]  |
| | Chlorzoxazone + Ketoprofen | Flexofan [®]  | |
| Skeletal muscle relaxant | Dantrolene sodium + Paracetamol | Dantrelax [®]  | |

❖ **Anti-convulsants**

| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|---------------------------------|---------------------|---|---|
| Phenytoin | Phenytoin | Ipantin [®]  | Phenytoin [®]  |
| Valproic acid | Valeproate sodium | Depakine [®]  | |
| Na ⁺ channel blocker | Lamotrigine | Lamictal [®]  | Lamotrine [®]  |
| Anticonvulsant, Miscellaneous | Carbamazepine | Tegretol [®]  | Tegral [®]  |
| Anticonvulsant, Miscellaneous | Gabapentin | Gaptin [®]  Conventin [®]  | Neurontin [®]  |

❖ **Anti-parkinson's Drugs**

| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|------------------------------------|----------------------|---|-----------------------|
| Dopamine Precursor | Levodopa + Carbidopa | Sinemet®  | |
| Anticholinergic/ Antimuscarinic | Biperiden HCL | Akineton®  | |

❖ **Brain Disorders**

| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|--|---------------------|---|-----------------------|
| Peripheral Vasodilator increasing cerebral blood circulation | Vincamine | Oxybral®  | |

Drugs for Psychiatric Disorders

❖ Sedatives & Anxiolytics drugs

| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|-------------------------------|---------------------|--|---|
| Intermediate acting BDZ | Alprazolam | Xanax [®]  Zolam [®]  | Restolam [®]  |
| Long acting BDZ | Diazepam | Neuril/ valinil [®]  | Valpam [®]  |
| Intermediate-short acting BDZ | Bromazepam | Calmepam [®]  | Lexotaniil [®]  |
| Long acting BDZ | Clonazepam | Apetryl [®]  | Amotril [®]  |
| Short acting BDZ | midazolam | Dormicum [®]  | |
| Non benzodiazepines | Kava kava extract | Kava [®]  | |

*Table2

Hints:





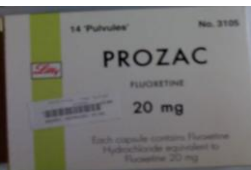



-bital= barbiturate

-zepam. -zolam = BDZ

❖ **Alzheimer's disease Drugs**




| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|---|---------------------|--|--|
| Acetylcholine esterase Inhibitor(AChEI) | Donepezil | Aricept®  | Donhimer®  |

❖ **Anti-depressants**

| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|--|--------------------------------------|---|--|
| TCA | Clomipramine HCl | Anafronil®  | |
| | Nortriptyline 10.0 mg + Fluphenazine | Motival®  | |
| Selective serotonin reuptake inhibitors (SSRI) | Escitalopram | Cipra pro®  | ciprallex® |
| | Sertraline HCl | Lustral®  | |
| | Fluoxetine | Prozac®  Durazac® (once weekly)  | Philozac®  |
| 5-HT & NE reuptake inhibitor (SNRI) | Venlafaxine HCl | Efexor®  | |

Hints:
-tyline, -pramine = TCA

❖ **Anti-psychotics**

| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|--|---------------------|--|--|
| Typical (selective postsynaptic D ₂ -receptors antagonist) | Sulpiride | Dogmatil [®]  | |
| Atypical (DA&5-HT receptor agonist) | Clozapine | Leponex [®]  | Clozapex [®] *  |
| | olanzapine | Zyprexa [®] | Olapex [®] , olazine [®] |

* **Clozapex**: black Box warning for Agranulocytosis and seizures.

Drugs for Cardiovascular Disorders

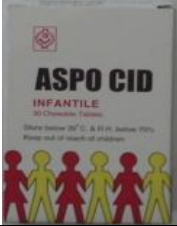



❖ Anticoagulants

| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|---|--------------------------|---|--|
| Heparins | heparin Calcium | Calheparine®  | |
| Low Molecular Weight Heparin | Enoxaparin calcium | | Clexane®  |
| | Tinzaparin Nadroparin | Fraxiparine®  | Innohep® |
| Fibrinolytic Enzymes | Streptokinase | Angikinase®  | Sedonase®  |
| Inhibits Vit K-dependent clotting factors | Warfarin Sodium | Marevan®  | |




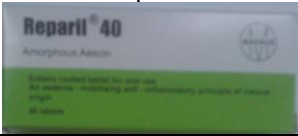

Hints:

-parin = (example: Heparin) Anticoagulants


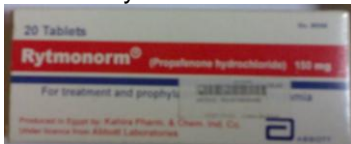

Antiplatelets

| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|----------------------|---------------------|--|---|
| NSAID(COX inhibitor) | Acetyl Salicylate | Aspocid Infant [®]  | Aspirin [®]  |
| ADP receptor blocker | Clopidogrel | Plavix [®]  | Stroka [®] Mtogrel [®]  |



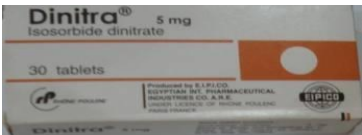




❖ **Capillary stabilizing drugs**

| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|--|--|--|--|
| Vasoconstrictor (NE) | Diosmin | Dioven [®]  | |
| Oral phlebotropic drug | Diosmin + Hesperidin | Daflon [®]  | Dafrex [®]  |
| Peripheral venous and capillary stabilizer | Amorphous Aescin + diethy amine salicylate | Reparil [®]  | |
| Venous and capillary disorder Stabilizer | Almitrine bismesylate + Raubasine | Duxil [®]  | |



❖ **Anti-arrhythmic drugs**

| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|--|---------------------|---|-----------------------|
| Positive inotropic effect (Na ⁺ /K ⁺ ATPase pump inhibitor) | Digoxin | Lanoxin [®]  | |
| Na ⁺ channel blocker (Class1C) | Propafenone HCl | Rytmonorm [®]  | |
| K ⁺ channel blocker (ClassIII) | Amiodarone | Cordarone [®]  | |





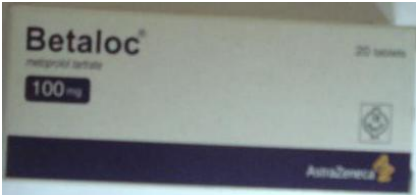




❖ **Anti-angina drugs**

| Pharmacology | Most Frequently Dispensed | Similar Product Names | Active Constituents |
|---|---|--|------------------------|
| Vasodilator (Organic nitrates) | Nitromack [®]  | Nitroderm [®] (patches)  | Nitroglycerin |
| | Dinitra [®]  | Cardiket [®] | Isosorbide dinitrate |
| | Effox [®]  | Monomack [®]  | Isosorbide mononitrate |
| 3-KAT inhibitor* (Ketoacyl CoA thiolase) | Vastarel [®]  | Metacardia [®]  | Trimetazidine di-HCl |

❖ **Anti-Hypotensives**

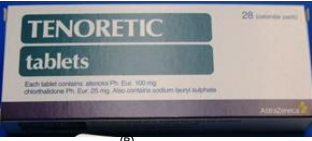

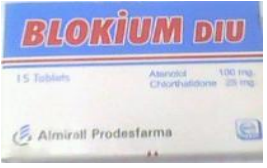
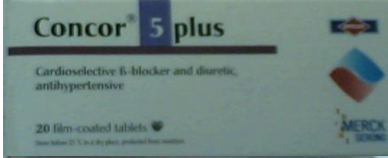
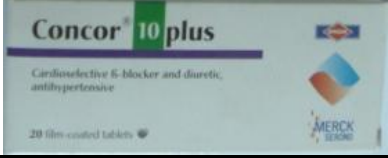

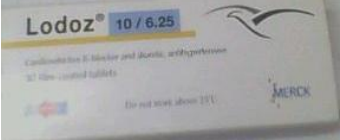

| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|---|--------------------------|---|---|
| <p>Vasoconstrictor Alpha/Beta Agonist</p> | <p>Etilefrine</p> | <p>Effortil®</p>  | <p>Vascon®</p>  |
| <p>The mechanism of heptaminol's therapeutic actions is not well understood although it has been suggested to affect catecholamine release or calcium metabolism. <small>Read more at http://www.worngdiagnosis.com/medical/heptaminol.htm?track=4cplrk</small></p> | <p>Heptaminol</p> | <p>Corasore®</p>  | |

❖ **Anti-Hypertensives**

| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|--|---------------------|--|--|
| Selective β_1 -Blocker | Atenolol | Tenormin [®]  | Blokium [®]  |
| | Bisoprolol | Concor [®] , concor Cor [®]  | Bisocard [®]  |
| | Metoprolol | Betaloc [®]  | |
| Non-selective (Combined α & β Blocker) | Propranolol HCl | Inderal [®]  | Indolol [®]  |
| | Carvedilol | Dilatrol [®]  | Cardiol [®] , Dilatrend [®]  |







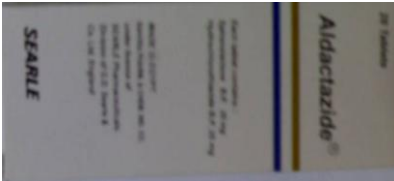

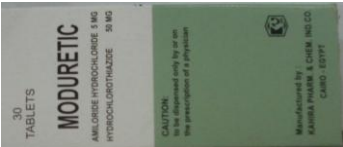

Hints:

-olol = β Bloker

| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|--------------|-------------------------------------|---|--|
| Combination | Atenolol + Chlorthalidone | <p>Tenoretic[®]</p>  <p>Tenedone[®]</p>  | <p>Blokium Diu[®]</p>  |
| | Bisoprolol + Hydrochlorothiazide | <p>Concor Plus[®]</p> <ul style="list-style-type: none">   | <p>Bisocard Plus[®], Lodoz[®]</p>   |
| | Carvedilol + hydrochlorothiazide | <p>Co-Dilatrol[®]</p>  | |









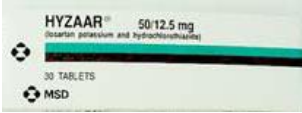

Hints:

- olol = β Bloker
- thiazide = Thiazide diuretic

| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|--|--------------------------------------|--|---|
| Loop diuretics | Furosemide | Lasix [®]  | Lafurex [®]  |
| Non-thiazide diuretic | Indapamide | Natrilix SR [®]  | Diurix [®]  |
| Potassium-sparing diuretics (Aldosterone antagonist) | Spironolactone | Aldactone [®]  | Spironolactone [®]  |
| Diuretic Combination | Spironolactone + Hydrochlorothiazide | Aldactazide [®]  | |
| | Spironolactone + Furosemide | Lasilactone [®]  | |
| | Amiloride + Hydrochlorothiazide | Moduretic [®]  | Yostiretic [®]  |





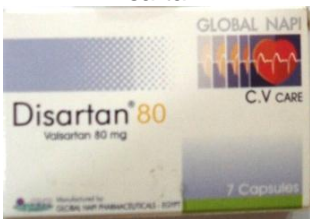

Hints:

- semide = Loop diuretic
- thiazide= Thiazide diuretic

| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|--------------|---------------------------------|---|---|
| ACE-I | Captopril | <p>Capoten®</p>  | <p>Lotensine®, hypopress®</p>  |
| | Captopril+ Hydrochlorothiazide | <p>Capozide®</p>  | |
| | Ramipril | <p>Tritace®</p>  | |
| | Lisinopril | <p>Zestril®</p>  | <p>Lisopril®</p>  |
| | Enalapril maleate | <p>Ezapril®</p>  | |
| Combination | Enalapril + hydrochlorothiazide | <p>Ezapril-Co®</p>  | |
| | HCTZ + Losartan | <p>Hyzaar®</p>  | <p>Modazar® Fortazaar® (double concentration)</p>  |



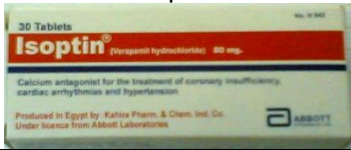




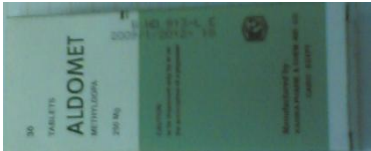

Hints:

-pril = ACEI

| Pharmacology | | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|---------------------------------|---------------------------------|--|--|---|
| ARB | Losartan Potassium | | Cozaar [®]  | Losartan [®]  |
| | Candesartan Cilexetil | | Atacand [®]  | |
| | Valsartan | | Tareg [®]  | Disartan [®]  |
| Angiotensin II Receptor Blocker | telmisartan | Micardis [®] | | |
| ARB+ Diuretic | Valsartan + Hydrochlorothiazide | Co-Tareg [®] / Co-Diovan [®]  | | |

Hints:

- sartan = ARB's
- thiazide = Thiazide diuretic

| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|------------------------------------|---------------------|--|--|
| Non-DHP* Calcium Channel blocker | Diltiazem HCl | <p>Altiazem[®]</p>  | <p>Delay-Tiazem[®]</p>  |
| | Verapamil | <p>Isoptin[®]</p>  | |
| DHP Calcium Channel blocker | Amlodipine besylate | <p>Norvasc[®]</p>  | <p>Alkapress[®], Miodura[®]</p> |
| | Nifedipine | <p>Epilat[®]</p>  | <p>Adalat[®]</p>  |
| Alpa-blocker | Prazosin HCl | <p>Minipress[®]</p>  | |
| Centrally acting α -agonist | Methyl dopa | <p>Aldomet[®]</p>  | <p>Epidopa[®] (EpiCo company)</p>  |

*DHP: Dihydropyridine

Hints:

- dipine= Ca⁺ channel blocker
- zocin = α Bloker

❖ **Lipid regulatory agents**

| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|--|---------------------|--|---|
| Fibrates | Fenofibrate | Lipanthyl®  | Arteflex® |
| Statins (HMG CO-A reductase Inhibitor) | Atorvastatin | Lipitor®  | Ator®  |
| | Simvastatin | Zocor®  | Simvastat®  |
| | Fluvastatin | Lescol XL®  | |
| | Pravastatin | Lipostat®  | |
| | Rosuvastatin | Crestor®  | Rosuvast® |

Hints:

-statin= HMG CO-A reductase Inhibitor

| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|------------------------|---------------------------|---|--|
| Combination | Simvastatin + Ezetimibe | <p style="text-align: center;">Inegy[®]</p>  | <p style="text-align: center;">Lipitrin[®]</p>  |
| Bile acid sequestrants | Cholestyramine | <p style="text-align: center;">questran(eg) sachets[®]</p>  | <p style="text-align: center;">cholestran 4gm/s[®]</p>  <p style="text-align: center;">12s(eg)</p> |
| Other | Fish oil + Wheat Germ oil | <p style="text-align: center;">Omega 3 Plus[®]</p>  | <p style="text-align: center;">Superomega, omega forte</p> |

Respiratory Disorders

❖ Asthma Preventers

| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|-----------------------------------|------------------------|--|--|
| Inhaled corticosteroids | Fluticasone propionate | Flixotide®  | |
| | Budesonide | Pulmicort®  | Miflonide®  |
| Inhaled long-acting beta2 agonist | Formoterol fumarate | Foradil®  | Oxis®  |
| | Salmeterol xinafoate | Serevent®  | |









Hints:

- onide= Corticosteroids
- terol = β -agonist



Steroid inhalers:







Usually brown and orange in color. Some examples are Pulmicort and Flixotide.

| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|----------------------------|------------------------------|--|---|
| New combination preventers | (A) Budesonide + Formoterol | (A) Symbicort® | (B) Seretide® |
| | (B) Salmeterol + Fluticasone |  |  |
| Anti-leukotrienes | Montelukast sodium | Singulair® | Kokast® |
| | |  |  Kast®  |
| Theophylline | Theophylline | Quibron SR® | Theo SR® Theophylline SR® |
| | |  |   |



New combination preventers
Red & purple inhalers.
Examples are Symbicort

Asthma Quick relievers :

| | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|------------------------------------|-----------------------|--|-----------------------|
| Inhaled short-acting beta2 agonist | Salbutamol/ Albuterol | Ventolin®  | |
| | Terbutaline sulphate | Bricanyl®  | |
| Anticholinergic/ anti-muscarinics | Ipratropium bromide | Atrovent®  | |
| | Tiotropium bromide | Spiriva®  | |
| oral steroids | Prednisone | Hostacortin®  | |
| | prednisolone | Hostacortin H®  | |

Hints:
Pred- , -pred , -Cort- = Corticosteroids



Quick relievers
Usually blue inhalers. Examples are Ventolin and Bricanyl.

Drugs for Gastrointestinal Disorders

❖ Peptic Ulcer drugs

| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|-----------------------------------|---------------------|---|--|
| H ₂ Receptors blockers | Ranitidine | Zantac [®]  | Aciloc [®]  |
| | Famotidine | Antodine/ Famotak [®]  | Servepep/ Peptec [®]  |
| Proton-pump inhibitors | Omeprazole | Ompak [®]  Pepzol [®] , Risek [®]  | |
| | Esomeprazole | Nexium [®]  | |
| | Lansoprazole | Lanzor [®]  Peptazol [®]  | |
| | Pantoprazole | Controloc [®]  Pantoloc [®]  | |



Hints:

-eprazole, -oprazole= Proton pump Inhibitors

| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|----------------|---|---|-----------------------|
| Triple therapy | Omeprazole + Tinidazole + Doxycycline | Trio®*  | |

Trio: used in treatment of PUD caused by H.Pylori


❖ **Anti-protozoa drugs**

| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|-----------------------|---------------------|--|---|
| Imidazole derivatives | Metronidazole | Flagyl®  | Amrizole®  |




Hints:

-dazole = Imidazole derivatives

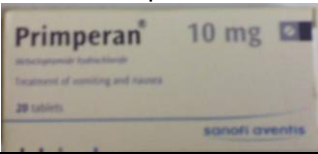



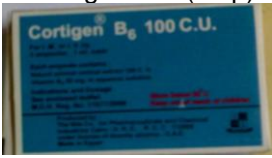

❖ **Antispasmodics**

| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|--|-------------------------------------|---|--|
| Anticholinergic agent, Scopolamine Derivatives | Hyoscine-N-Butylbromide | <p>Buscopan®</p>  | <p>Spasmocin®</p>  |
| | Hyoscine-N-Butylbromide + Dipyrrone | <p>Buscopan Compositum®</p>  | <p>Spascolon®</p>  |
| Anticholinergic agent | Dicyclomine HCl | <p>Spasmorest®</p>  | |
| Antimuscarinic agent | tiemonium methyl sulphate | <p>Visceralgine®</p>  | <p>Viscera®</p>  |
| | Camylofin + Analgin | <p>Spasmo Pyralgin M®</p>  | |
| 5-HT ₃ Receptor antagonist | Trimebutine maleate | <p>Gast-Reg®</p>  | <p>Debridat®</p>  |

❖ **Irritable colon drugs**




| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|---------------------------------|--------------------------------------|---|-----------------------|
| Antispasmodic agent | Mebeverine HCl + Sulpiride | Colona[®]  | |
| Prokinetic | Mosapride | Fluxopride[®]  | |
| Anticholinergic+ Benzodiazepine | Clidinium bromide + Chlordiazepoxide | Librax[®]  | |

❖ **Anti-emetics**

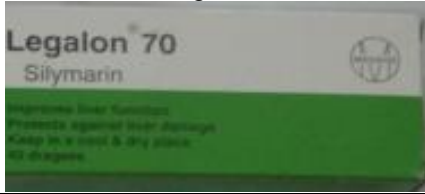







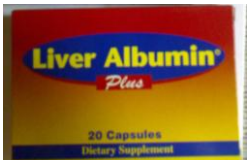

| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|---|--|--|---|
| Dopamine antagonist | Metoclopramide HCl | Primperan[®]  | |
| | Domperidone | Motilium[®]  | Motinorm[®]  |
| Selective 5-HT ₃ Receptor antagonist | Ondansetron HCl | Zofran[®]  | Emerest[®] |
| | Adrenocortical Hormone + vit b6 – (pyridoxine) | Cortigen b6[®] (amp)  | Cortiplex[®] (amp)  |

Hints:
-serton = Selective 5-HT₃ Receptor antagonist [antiemetic]

Anti-vertigo Drugs

| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|----------------------------------|---------------------|--|--|
| Histamine H ₃ agonist | Betahistine | <p>Betaserc[®]</p>  | <p>Verserc[®]</p>  |
| Anti- Histamine | Cinnarizine | <p>Stugeron[®]</p>  | |

❖ **Hepatic & Lipotropic drugs**








| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|--|---|---|--|
| Flavonoids (hepatoprotective) | Silymarin | Legalon®  | Hepaticum®  |
| Gallstone Dissolution Agent | Ursodeoxycholic acid | Ursogall®  | Ursofalk®  |
| Hepatoprotective | D.D.B | D.D.B®*  | Hepacare®  |
| Hepato- & reno- biliary Disorders therapy | Menthol + Menthone + Alphapinene Betapinene + Borneol + Camphene + Cineal + Olive oil | Rowachol®  | Bilichol®  |
| | Combination | Liver albumen®  | Levanox®  |

*D.D.B: Referred to as the Yellow pill in the Egyptian market





❖ **Anti-infective agents for GI disturbances and Diarrhea**

| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|--------------------------------|---------------------------|---|--|
| Oral nitrofurantoin Antibiotic | Nifuroxazide | Antinal [®]  | Diax [®]  |
| Anti-infective | Tiliquinol + Tilbroquinol | Intetrix [®]  | |

❖ **Laxatives**

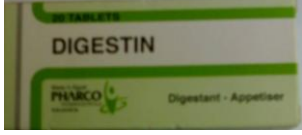



| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|-----------------------|---|---|--|
| Stimulant Laxative | (A) Bisacodyl (B) Bisacodyl + Dioctyl Sodium Sulphosuccinate | (A) Abilaxine [®]  | (B) MinaLax [®]  |
| | Sodium Picosulphate | Picolax [®]  | Laxeol-PI [®]  |
| Bulk-forming Laxative | Plantago | Biolax [®]  | Plantago [®]  |
| | Ca Polycarbophil | Evaculax [®]  | |

❖ **Anti hemorrhoids**

| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|--|---|---|---|
| Local anesthetic, Anti-inflammatory, Anti-puritic & Anti-spasmodic | Cinchocaine + hydrocortisone + Framycetine + Aesculoside | <p>Proctosedyl®</p>  | <p>Sediproct®</p>  |
| | Hydrocortisone Framycetin Esculin Bismuth subgallate | | <p>Procto-4®</p>  |
| vasoprotective + Local Anesthetic; | Tribenoside + lidocaine | <p>Proctoglyvenol®</p>  | |

Hints:
-caine = lidocaine





❖ **Anti-dyspepsia drugs:**

| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|---|--|---|-----------------------|
| Digestive enzymes | Papain + Sanzyme | Digestin [®]  | |
| | Papain + Sanzyme + Pepsin | Neo-Digestin [®] | |
| Parasympatholytic | cellulose +methixene HCl + Pancreatin + pepsin + Simethicone+ Na dehydrocholate. | Spasmo canulase [®]  | |
| Proteolytic enzyme | Pancreatin + Ox-bile + Bromelin | Nutrizym [®]  | |
| Digestive, Spasmolytic and Anti-flatulent | Papain +Na dehydrocholate + Dicyclomine + Simethicone+Sanzyme | Spasmodigestin [®]  | |

| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|-------------------------|---|--|--|
| Anti-flatulent | Dimethicone + Silicon dioxide | Dislatyl [®]  | |
| Antacid | Magnesium carbonate + Ca+ Carbonate. | Rennie [®]  | |
| Antacid/ Anti-flatulant | Aluminium hydroxide + MgOH + Simethicone | Maalox Plus [®]  | |
| | Aluminium hydroxide gel + Magnesium hydroxide + Dimethicone | Epicogel [®]  | |
| Oral antifoaming agent | Simethicone (polydimethylsiloxane and silica gel.) | Luftal [®]  | Simethicon [®]  |
| Activated Charcoal | Activated Charcoal + Senna + Carbon + Rhubarb + peppermint oil + sulpher+ fennel oil | Eucarbon [®]  | |

Drugs for Bone Disorders

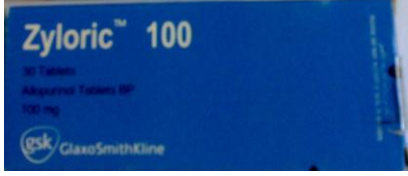



❖ Drugs affecting bone metabolism

| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|---------------------------|---|---|--|
| Calcitonin | Salmon calcitonin | Miacalcic [®]  | calcitonin [®] |
| Bisphosphonate Derivative | (A) Alendronate + Colicalciferol (B) Alendronate | (A) Fosavance [®]  | (B) Fosamax [®]  |
| | Risedronate Sodium | Actonel [®]  | |

Hints:

-dronate = Bisphosphonate






❖ **Anti-Hyperuricemia drugs**

| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|----------------------------|---|---|---|
| Xanthine Oxidase Inhibitor | Allopurinol | <p>Zyloric®</p>  | <p>No-Uric®</p>  |
| Uricosuric | piperazine + colchicine+atropine+sodium citrate | <p>Urosolvine®</p>  | <p>Urivin®</p>  |

Drugs for Endocrine Disorders

❖ Oral Hypoglycemic drugs

Insulin Secretagogue:

| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|--|---------------------|--|---|
| Sulfonylurea (1 st Generation) | Gliclazide | Diamicon®  | |
| Sulfonylurea (2 nd Generation) | Glibenclamide | Daonil®  | Diaben®  |
| Sulfonylurea (2 nd Generation) | Glimepiride | Amaryl®  | Dolcyl®  |



Non Sulfonylurea Insulin Secretagogue:

| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|--------------|---------------------|---|---|
| Meglitinides | Repaglinide | NovoNorm®  | Repaglide®  |

Biguanide:

| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|--------------|-------------------------|---|---|
| Biguanide | Metformin Hydrochloride | <p>Glucophage®</p>  | <p>Cidophage®</p>  |

Insulin sensitizers:

| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|---|---------------------|---|---|
| Thiazolidinedione (Insulin sensitizer) | Pioglitazone | <p>Glustin®</p>  | <p>Hi glitazone®</p>  |


Hints:

-glitazone = Thiazolidinedione

α Glycosidase Inhibitors




| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|--------------------------|---------------------|--|-----------------------|
| α Glycosidase Inhibitors | Acarbose | Glucobay®  | |

New Hypoglycemics








| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|--|---------------------|--|-----------------------|
| Dipeptidyl Peptidase IV (DPP-IV) Inhibitor | sitagliptin | Januvia®  | |

Hints:
-gliptin = DPP-4 enzyme inhibitor






Combinations:

| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|-------------------------------|---------------------------|--|---|
| Sulfonylurea (2nd)+ biguanide | Glibenclamide + Metformin | Glucovance®  | Glimet®  |
| | Glypuride + Metformin | Diavance®  | |

❖ **Insulin**



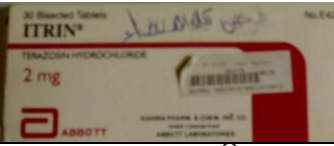






| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|-----------------------------|-----------------------------------|---|---|
| Rapid Acting Insulin | Insulin Rapid acting | Lispro® | Aspart® |
| Short Acting Insulin | Crystalline (Regular Insulin) | Humulin-R®  | Actrapid®  |
| Intermediate-Acting Insulin | insulin isophan (NPH insulin) | Insulatard®  | Humulin N®  |
| Long acting (Glargine) | Insulin glargine | Lantus®  | |
| Combination | insulin isophan 70% + regular 30% | Insulin Mixtard®  | humulin 70/30®  |

❖ **Thyroid Disorder drugs**

| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|----------------------|----------------------------------|---|---|
| Anti-hypothyroidism | thyroxin Sodium (L-thyroxine) | Eltroxin®  | Euthyrox®  |
| Anti-hyperthyroidism | Carbimazole | Carbimazole®  | Neomercazol®  |
| | Propylthiouracil | Thyrocil®  | |

Drugs for Urologic Disorder

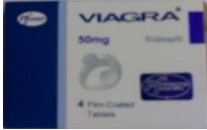



❖ Benign Prostate Hyperplasia drugs

| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|---------------------------|---------------------|---|---|
| α- blocker | Doxazosin |  <p>Cardura®</p> |  <p>Dosin®</p> |
| | Terazosin |  <p>Itrin®</p> | |
| | Tamsulosin |  <p>Tamsulin®</p> |  <p>Tamic®</p> |
| 5 α- reductase Inhibitors | Finasteride |  <p>Proscar®</p> |  <p>Prostat®</p> |
| others | Pumpkin seed oil |  <p>Pepon®</p> |  <p>Procure®</p> |

Hints:



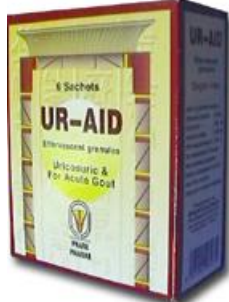



-afil = α-blocker

❖ **Erectile dysfunction drugs**

| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|-------------------------------|---------------------|---|---|
| Phosphodiesterase-5-Inhibitor | Sildenafil Citrate | Viagra®  | Virecta®  |
| | Tadalafil | Cialis®  | Snafi®  |

Hints:
-afil = Phosphodiesterase-5-Inhibitor







Renal and Urinary Antiseptic

| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|---------------------|---|---|--|
| ??? | Halphabarol | Proximol®  | |
| Combination | Atropine Sulphate + Colchicine + Piperazine | Urosolvine®  | UR-AID®  |
| Anti-Spasmodic oils | Betacamphene+fenchone+pinene, anethol, borneol, camphene, cineol, olive oil | Rowatinex®  | Urinex®  |
| | Fenchone, anethol, Betacamphene, cineole | Spasmo rowatinex® (Supp.)  | |

Antibiotics










❖ Cell wall Synthesis Inhibitors

β -Lactams



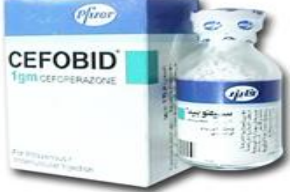




| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|--------------|--------------------------|---|---|
| Penicillins | Benzyl penicillin | Retarpen [®]  | Penicillin G Sodium [®]  |
| | Phenoxyethyl penicillin | Ospen [®] | |
| | Ampicillin + Cloxacillin | Ampiclox [®]  | |
| | Sulbactam + Ampicillin | Unasyn [®]  | Unictam [®]  |
| | Amoxicillin | Amoxil [®] | Hiconcil [®]  |

Hints:

-cillin= β -lactam

| Pharmacology | Most Frequently Dispensed | Similar Product Names | Active Constituents | |
|-------------------------|---|---|---|------------|
| Penicillins combination | Augmentin®  | Hibiotic®  | Amoxicillin + Clavulanic acid | |
| | Flumox®  | Flucamox®  | Amoxicillin + flucloxacillin | |
| Cephalosporins | 1 st Generation | Ceporex®  | Keflex®  | Cephalexin |
| | | Duricef®  | Curisafe®  | Cefadroxil |
| | | Velosef®  | Fortecef® | Cephradine |

Hints:
Ceph- = first generation Cephalosporins
except Cefazolin

| Pharmacology | Active constituents | Most Frequently Dispensed | Similar Product Names |
|----------------|----------------------------|--|--|
| Cephalosporins | 2 nd Generation | Cefaclor  | Bactiolor |
| | | Cefuroxime  | |
| Cephalosporins | 3 rd Generation | Cefoperazone  | Cefobid [®] (b.i.d twice daily) Cefrone [®] |
| | | Cefotaxime  | Cefotax [®]  |
| | | Ceftriaxone  | Rocephen [®] (Roche Company)  |






Hints:

Cef- = Cephalosporin

-fa-, -fam-, -fox-, -tea-, -fur- = 2nd Generation Cephalosporin's






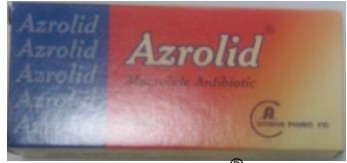




Exceptions : cefmetazole , cefonicid , cefprozil , loracarbef




Tri or t = 3rd Generation cephalosporin's (parental preparations)

| Pharmacology | | Most Frequently Dispensed | | Similar Product Names | |
|----------------|----------------------------|---------------------------|---|---|--|
| Cephalosporins | 3 rd Generation | Cefprozil |  | | |
| | | Ceftazidime |  |  | |
| | | Cefpodoxim |  | | |
| | | Cefdinir | Omnicef [®] | | |
| | 4 th generation | Cefepime |  | | |

| Others | | | |
|--------------|---------------------|-----------------------------|-----------------------|
| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
| Others | Vancomycin | Vancomycin [®] | Vancocin [®] |
| | linezolid | Averozolid 600 [®] | |

❖ **Protein Synthesis Inhibitors**








| Pharmacology | Active constituent | Most Frequently Dispensed | Similar Product Names |
|--------------------|--------------------|--|--|
| Tetracycline group | Tetracycline | Hostacycline®  | Tetracid® (Cid Company)  |
| | Doxycycline | Doxymycin®  | Farcodoxin® (Pharco company)  |
| Aminoglycosides | Gentamicin | Garamycin® | Gentamicin® |
| | Tobramycin | Tobracin® | Tobcin® |
| Macrolides | Erythromycin | Erythromycin® | Erythrocin® |
| | Azithromycin | Zithromax®  | Azolid®  Zithrocan®  |
| | Clarithromycin | Klacid®  | |
| | Spiramycin | Rovac®  | Rovamycin®  |

| Pharmacology | Active constituent | Most Frequently Dispensed | Similar Product Names |
|--------------------|--------------------|--|---|
| Lincosamides group | Clindamycin |  |  |
| Chloramphenicol | Chloramphenicol | <p>Miphenicol® (Misr Company)</p>  | Cidocetine |

Hints:

- cycline : tetracycline
- mycin: aminoglycoïdes, Macrolide, lincosamides

❖ **DNA Replication Inhibitor**

| Pharmacology | Active constituent | Most Frequently Dispensed | Similar Product Names |
|--------------|--------------------|---|--|
| Quinolones * | ciprofloxacin | Ciprofar[®]  | Ciprobay[®]  |
| | Gatifloxacin | Gastacin, gatilox | Tequin  |
| | Levofloxacin | Tavanic[®]  | Tavacin[®]  |
| | ofloxacin | Noracin[®]  | Kiroll[®]  |



*Should not be used with patients under 18 years old

Hints:
-floxacin : Quinolones

❖ **Anti-metabolites**







| Pharmacology | Active constituents | Most Frequently Dispensed | Similar Product Names |
|---------------------------------|---|--|---------------------------|
| Folic acid synthesis inhibitors | <u>Sulphamethoxazole</u> + <u>trimethoprim</u> (TMP + SMZ) | Septrin- D.S. [®]  | Sutrim forte [®] |



❖ **Anti-tubercular drugs**

| Pharmacology | Active constituents | Most Frequently Dispensed | Similar Product Names |
|--------------|------------------------|---|-------------------------|
| | Rifampicin (Rifampin) | Rimactane [®]  | |
| | Rifampicin + Isoniazid | Rimactazid [®]  | Rifam plus [®] |
| | Streptomycin | Streptomycin | |

Miscellaneous Drugs








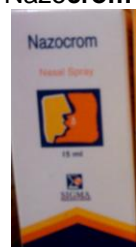
❖ Ophthalmic Preparations

| Therapeutic Class | Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|---|--------------------------------|---|--|----------------------------|
| Decongestant and Antihistaminic Eye Drops | Adrenergic Agonist Agent | Tetrahydrozoline | <p>Visine®</p>  | Occuzoline® |
| Antibacterial Eye Drops | Aminoglycosides | Tobramycin | <p>Tobrex®</p>  | Tobralex® |
| Antibacterial & Corticosteroid Eye Drops | Aminoglycoside/ Corticosteroid | Tobramycin and Dexamethasone | <p>Tobradex®</p>  | Optidex-T® |
| Preparations for Dryness of the Eye | | Methylhydroxypropylcellulose (Hydroxy propyl methylcellulose) | <p>Tears Natural®</p>  | Tears Guard® |
| | | Carboxymethylcellulose | <p>Refresh plus®*</p>  | Refresh tears® |
| Drops for Eye Allergy and Inflammation | Corticosteroid | Prednisolone Acetate | <p>Pred forte®</p>  | Echonpred Plus®, solupred® |

| Therapeutic Class | Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|--|---|--|--|--|
| Decongestant and Anti-histaminic and Anti-allergic Eye and Nasal Drops | Histamine H ₁ Antagonist + Alpha 1 Agonist | Chlorpheniramine Maleate + Naphazoline Hydrochloride | Prisoline®  | Optozoline®  |




*Refresh plus: each dose in separate pack.

❖ Nasal Preparations






| Therapeutic Class | Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|---------------------|---|------------------------|---|---|
| Nasal Anti-Allergic | Corticosteroid | Fluticasone Propionate | Flixonase®  | Ticanase®  |
| Nasal Decongestant | Decongestant | Oxymetazoline HCl | Afrin®  | Oxymet®  |
| | Vasoconstrictor (α- receptor stimulant) | Xylometazoline HCl | Otrivin®  | Balkis®, Nasostop®  |
| | Mast cell stabilizer | Sod. Cromoglycate | Nasotal®  | Nazocrom®  |

chimpchimp

Hints:
-olone = Corticosteroids

| | | |
|----------------------------|--|---|
| Alkaline Nasal preparation | NaCl + NaHCO ₃ + Borax | Alka-Misr[®]  |
| Systemic nasal congestion | Non sedating antihistaminic + decongestant | Loratadine micronised + Pseudoephedrine |
| | | Clarinase[®]  |
| | | Decongest-L[®]  |

❖ **Anti-allergy**

| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|-------------------------------------|---------------------|--|--|
| Histamine H ₁ Antagonist | Loratadine | Claritine[®]  | Mosedin[®]  |
| | Desloratadine | Aerius[®]  | |
| | Fexofenadine HCl | Telfast[®]  | Allerfen[®]  |










❖ **Smoking cessation:**

| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|--------------|---------------------|--|-----------------------|
| | Varenicline | Champix[®]  | |

❖ **Corticosteroids**

| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|----------------|---------------------|--|-----------------------|
| Corticosteroid | Hydrocortisone | Solu cortel [®] (Vial)  | |

❖ **Common Cold and Influenza**

| Common Cold and Influenza | Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|---------------------------|--|--|---|---|
| | Analgesic+ Decongestant +Anticholinergic | Paracetamol +Phenylpropanol amine*+ Diphenhydramine | Night and Day [®]  | Noflu [®]  |
| | H ₁ Antagonist+ Decongestant+ Analgesic+ Xanthine | Chlorpheniramine +Pseudo ephedrine + Paracetamol +Caffeine | Flurest [®]  | Flustop [®]  |
| | H ₁ Antagonist+ Decongestant + Analgesic | Chlorpheniramine Maleate + Pseudoephedrine HCl+Paracetamol | Comtrex [®]  | Congestal [®]  |
| | Analgesic+ Antihistamine+ Decongestant | Bromopheniramine Maleate + Pseudoephedrine HCl+Paracetamol | | Comtrex MAXIMUM [®]  |
| | Vitamin, water Soluble | Ascorbic acid | Vitacid C [®]  | Upsa C [®]  |

Phenylpropanolamine: Safety concerns (Hemorrhagic shock)

❖ **Anti-Edema**

| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|---------------------|------------------------|---|---|
| Proteolytic enzymes | Chymotrypsin + trypsin | Alphintern [®]  | Ambezim-G [®]  |

❖ **Vitamins**

| Pharmacology | Active Constituents | Most Frequently Dispensed | Similar Product Names |
|--|--|--|---|
| Vitamin B Supplement | Vit B ₁ (Thiamine) Hydrochloride+ Vit B ₁₂ (Cyanocobalamin)+ Vit B ₆ (Pyridoxine HCl) | <p>Neurovit[®]</p>  | <p>Neurobion[®]</p>  |
| Vitamin B ₁₂ | Hydroxycobalamin | <p>Depovit B₁₂[®]</p>  | <p>B₁₂ Depot[®]</p>  |
| Vitamin B ₁₂ & Folic acid & Erythropoietin preparations | Cyanocobalamin | <p>Betolvex[®]</p>  | <p>Cobalvex, Cidolvex[®]</p>  |
| Vitamin B Supplements | Sulbutiamine | <p>Arcalion[®]</p>  | <p>Activate[®]</p>  |
| Vitamin B Supplement with ATP | ATP + Vitamin B ₁₂ + Co-carboxylase + Nicotinamide | <p>Adenoplex Forte[®]</p>  | <p>Epinosine-B Forte[®]</p>  |

NEW DRUGS IN EGYPTIAN MARKET 2010

| Trade name | Generic name | Indication |
|------------------------------|--------------------------------------|----------------------|
| 1. Angiopress 50 | Captopril | Anti-hypertensive |
| 2. Angiosartan (10,20,40) | Olmесartan | Anti-hypertensive |
| 3. Biocardis | Telmisartan | Anti-hypertensive |
| 4. Egypro | Bisoprolol fumarate | Anti-hypertensive |
| 5. Irbedrin , (75,150,300) | Irbesartan | Anti-hypertensive |
| 6. Aprovel | | |
| 7. Engilor (2.5/500 – 5/500) | Glipizide + Metformin | Anti-diabetic |
| 8. Glaryl (3,4) | Glimepride | Anti-diabetic |
| 9. Glucolight XR 500 | Metformin | Anti-diabetic |
| 10. Pioglutmet | Pioglitazone 15mg + Metformin 850 mg | Anti-diabetic |
| 11. Reglidip (12, 15) | Glimepride | Anti-diabetic |
| 12. Torseretic (10,20) | | Diuretic |
| 13. Actoday 5 | Risedronate | Osteoporosis |
| 14. Zetlip (10/20, 10/40) | Ezetimibe + Simvastatin | Cholesterol lowering |

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