



Sunlight and the Skin

MANY MEDICATIONS, TOPICAL SOLUTIONS AND EVEN SOME FOODS CAN CAUSE THE SKIN TO BURN OR BREAK OUT IN A RASH WHEN EXPOSED TO ULTRAVIOLET LIGHT. THE CONSEQUENCES CAN RANGE FROM ITCHINESS TO AN UNCOMFORTABLE RASH AND BURNS.

IT IS CRITICAL THAT EVERY SALON OWNER POST A CHART OF PHOTOSENSITIVE MEDICATIONS AND AGENTS IN A CONSPICUOUS LOCATION. IF A CLIENT IS TAKING A MEDICATION THAT ISN'T LISTED, HE OR SHE SHOULD CONSULT WITH A PHYSICIAN OR PHARMACIST BEFORE BEING EXPOSED TO ULTRAVIOLET LIGHT—INDOORS OR OUTDOORS.

The most common photosensitizing materials are listed on the following pages. This is not a list of every material that could have photosensitizing effects. Before using the list, you should be aware of the following:

- NOT all individuals who use or take these medications will experience a photosensitive reaction. Also, an individual who experiences a photosensitive reaction on one occasion will NOT necessarily experience it again or every time.
- A medication will NOT cause the same degree of skin reaction in all individuals.

- Brand names of products should be considered only as examples; they do NOT represent all names under which the generic product may be sold.

The following list was prepared by Jerome I. Levine, M.S., R.Ph., of the U.S. Food and Drug Administration. The list was published under the title "Medications That Increase Sensitivity To Light: A 1990 Listing." The FDA has confirmed this list to be the most recent. The mention of commercial products, their sources or their use in connection with material reported herein is not to be construed as either an actual or implied endorsement of such products by the Department of Health and Human Services.

Reported Photosensitizing Medications

Generic Name	Brand Name	Therapeutic Class			
Acetazolamide	Diamox	Anticonvulsant, Antiglaucoma diuretic	Cyclobenzaprine	Flexeril	Anti-skeletal, Muscle spasms
Amiloride + Hydrochlorothiazide	Moduretic	Antihypertensive, Thiazide diuretic	Cyproheptadine	Periactin	Antihistamine, Antiserotonergic
Amiodarone	Cordarone (15%)	Antiarrhythmic	Dacarbazine	DTIC-Dome	Anti-Hodgkin's disease, Antimetabolite
Amitriptyline	Elavil	Antidepressant (tricyclic)	Danazol	Danocrine	Gonadotropin inhibitor
Amitriptyline	Endep	Antidepressant (tricyclic)	Demeclocycline	Declomycin	Antibiotic
Amoxapine	Asendin (<1%)	Antidepressant (tricyclic)	Desipramine	Norpramin	Antidepressant (tricyclic)
Astemizole	Hismanal	Antihistamine	Desipramine	Pertofrane	Antidepressant (tricyclic)
Atenolol + Chlorthalidone	Tenoretic	Beta-adrenergic blocker, Thiazide diuretic	Dexchlorpheniramine	Polaramine	Antihistamine
			Diclofenac	Voltaren (<1%)	NSAID,* Antiarthritic
			Diffunisal	Dolobid (<1%)	NSAID,* Antiarthritic
			Diltiazem	Cardizem (<1%)	Antianginal, Antihypertensive, Calcium channel blocker
Auranofin	Ridaura	Antiarthritic, Gold compound	Diphenhydramine	Benadryl	Antihistamine
Azatadine	Optimine	Antihistamine	Diphenylpyraline	Hispril Spansule	Antihistamine
Azatidine + Pseudoephedrine	Trinalin Repetabs	Antihistamine, Decongestant	Doxepin	Sinequan	Antidepressant (tricyclic)
Bendroflumethiazide	Naturetin	Antihypertensive, Thiazide diuretic	Doxycycline	Vibramycin	Antibiotic
Benzthiazide	Exna	Antihypertensive, Thiazide diuretic	Doxycycline Hyclate	Doryx	Antibiotic
Bromodiphenhydramine	Ambenyl	Antihistamine	Enalapril	Vasotec	Antihypertensive
Brompheniramine	Dimetane	Antihistamine	Enalapril + Hydrochlorothiazide	Vaseretic	Antihypertensive, Thiazide diuretic
Captopril	Capoten	Antihypertensive	Erythromycin Ethylsuccinate + Sulfisoxazole	Pediazole	Antibiotic
Captopril + Hydrochlorothiazide	Capozide	Antihypertensive, Thiazide diuretic	Estrogens	Contraceptive, oral	Female sex hormone
Carbamazepine	Tegretol	Analgesic, Anticonvulsant	Estrogens	Estrogens	Female sex hormone
Chlordiazepoxide + Amitriptyline	Limbitor	Antidepressant (tricyclic), Tranquillizer	Ethionamide	Trecator-SC	Anti-infective, Antituberculosis
Chlorthiazide	Diuril	Antihypertensive, Thiazide diuretic	Etretinate	Tegison	Antipsoriatic
Chlorpheniramine	Chlorpheniramine	Antihistamine	Floxuridine	FUDR Injectable	Antimetabolite, Antineoplastic
Chlorpheniramine + D-Pseudoephedrine	Deconamine	Antihistamine, Decongestant	Flucytosine	Ancobon	Antifungal
Chlorpheniramine + Phenylpropanolamine	Ru-Tuss II	Antihistamine, Decongestant	Fluorouracil	Adrucil	Antineoplastic
Chlorpromazine	Thorazine	Antiemetic, Tranquillizer	Fluorouracil	Efudex	Antineoplastic
Chlorpropamide	Diabinese	Antidiabetic (oral), Sulfonylurea	Fluorouracil	Fluorouracil	Antineoplastic
Chlorprothixene	Taractan	Antiemetic, Tranquillizer	Fluphenazine	Prolixin	Antipsychotic, Tranquillizer
Chlorthalidone	Hygroton	Antihypertensive, Thiazide diuretic	Fluphenazine	Permittil	Antipsychotic, Tranquillizer
Chlorthalidone	Thalitone	Antihypertensive, Thiazide diuretic	Flurbiprofen	Ansaid	NSAID,* Antiarthritic
Chlorthalidone + Reserpine	Demi-Regroton	Antihypertensive, Thiazide diuretic	Flutamide	Eulexin	Antimetastatic (prostatic carcinoma)
Chlorthalidone + Reserpine	Regroton	Antihypertensive, Thiazide diuretic	Furosemide	Lasix	Antihypertensive, Diuretic
Ciprofloxacin	Cipro (<1%)	Anti-infective	Gentamicin	Garamycin	Antibiotic
Clemastine	Tavist	Antihistamine	Glipizide	Glucotrol	Antidiabetic (oral), Sulfonylurea
Clofazime	Lamprene (<1%)	Antibacterial, Antileprosy agent	Glyburide	Diabeta	Antidiabetic (oral), Sulfonylurea
Clonidine Chlorthalidone + Coal Tar	Combipres	Antihypertensive, Thiazide diuretic	Glyburide	Micronase	Antidiabetic (oral), Sulfonylurea
Coal Tar	Estar Gel	Antipsoriatic, Eczema	Gold Salts (compounds)	Solganal	Antiarthritic, Gold compound
Coal Tar	Balmetar	Antipsoriatic, Eczema	Gold Sodium Thiomalate	Myochrysin	Antiarthritic, Gold compound
Contraceptive, oral	Estrogen	Birth control pill, Female sex hormone	Griseofulvin	Fulvicin U/F	Antibiotic, Antifungal
Cromolyn	Intal Inhaler	Antiasthmatic			

Generic Name	Brand Name	Therapeutic Class
Griseofulvin Ultramicrosi	Grisactin Ultra	Antibiotic, Antifungal
Guanethidine + Hydrochlorothiazide	Esimil	Antihypertensive, Thiazide diuretic
Haloperidol	Haldol	Antipsychotic, Tranquilizer
Hexachlorophene	Phisoex	Antibacterial
Hydralazine + Hydrochlorothiazide	Apresazide	Antihypertensive, Thiazide diuretic
Hydralazine	Apresoline-Esidrix	Antihypertensive, Thiazide diuretic
Hydrochlorothiazide	Esidrix	Antihypertensive, Thiazide diuretic
Hydrochlorothiazide	Hydrodiuril	Antihypertensive, Thiazide diuretic
Hydrochlorothiazide	Oretic	Antihypertensive, Thiazide diuretic
Hydrochlorothiazide	Oreticyl	Antihypertensive, Thiazide diuretic
Hydrochlorothiazide + Triamterene	Dyazide	Antihypertensive, Thiazide diuretic
Hydrochlorothiazide	Maxzide	Antihypertensive, Thiazide diuretic
Hydroflumethiazide	Diucardin	Antihypertensive, Thiazide diuretic
Hydroflumethiazide	Saluron	Antihypertensive, Thiazide diuretic
Hydroflumethiazide + Reserpine	Salutensin/ Salutensin-Demi	Antihypertensive, Thiazide diuretic
Ibuprofen	Advil (<1%)	NSAID,* Antiarthritic
Ibuprofen	Motrin (<1%)	NSAID,* Antiarthritic
Imipramine	Tofranil	Antidepressant (tricyclic)
Indapamide	Lozol	Antihypertensive, Diuretic
Interferon ALFA-2B	Intron A (<1%)	Antiviral agent
Isocarboxazid	Marplan	Antidepressant, MAO inhibitor
Isotretinoin	Accutane	Antiacne
Ketoprofen	Orudis (<1%)	NSAID,* Antiarthritic
Labetalol	Normodyne	Antihypertensive, Beta- and alpha-adrenergic blocker
Labetalol + Hydrochlorothiazide	Normozide	Beta- and alpha-adrenergic blocker, Thiazide diuretic
" "	Trandate HCT	Beta- and alpha-adrenergic blocker, Thiazide diuretic
Lisinopril + Hydrochlorothiazide	Prinzide	Antihypertensive, Thiazide diuretic
" "	Zestoretic	Antihypertensive, Thiazide diuretic
Lovastatin	Mevacor	Anticholesterol
Maprotiline	Ludiomil	Antidepressant
Meperidine + Promethazine	Mepergan	Narcotic analgesic
Mesoridazine	Serentil	Antipsychotic, Tranquilizer
Methacycline	Rondomycin	Antibiotic
Methazolamide	Neptazane	Antiglaucoma
Methdilazine	Tacaryl	Antihistamine, Antipruritic
Methotrexate	Folex	Antimetabolite, Antipsoriatic
" "	Methotrexate	Antimetabolite, Antipsoriatic
" "	Mexate & Mexate-AQ	Antimetabolite, Antipsoriatic
Methyclothiazide	Aquatensen	Antihypertensive, Thiazide diuretic
" "	Enduron	Antihypertensive, Thiazide diuretic
Methyclothiazide + Deserpidine	Enduronyl	Antihypertensive, Thiazide diuretic
Methyclothiazide + Reserpine	Diutensin-R	Antihypertensive, Thiazide diuretic
Methyldopa + Hydrochlorothiazide	Aldoril	Antihypertensive, Thiazide diuretic
Methyldopa + Chlorothiazide	Alldoclor	Antihypertensive, Thiazide diuretic
Metolazone	Diulo	Antihypertensive, Thiazide diuretic
" "	Mykrox	Antihypertensive, Thiazide diuretic
" "	Zaroxolyn	Antihypertensive, Thiazide diuretic
Metoprolol +Hydrochlorothiazide	Lopressor HCT	Beta-adrenergic blocker, Thiazide diuretic
Minocycline	Minocin	Antibiotic
Minoxidol	Rogaine	Hair growth stimulator
Nabilone	Cesamet	Antiemetic, Antinausea
Nadolol + Bendroflumethiazide	Corzide	Antihypertensive, Beta-adrenergic blocker
Nalidixic Acid	NegGram	Antimicrobial
Naprosyn	Anaprox	NSAID,* Antiarthritic
" "	Naproxen	NSAID,* Antiarthritic
Nifedipine	Adalat	Antianginal, Antihypertensive, Calcium channel blocker
" "	Procardia	Antianginal, Antihypertensive, Calcium channel blocker
Norflaxacin	Noroxin	Antibacterial
Nortriptyline	Pamelor	Antidepressant (tricyclic)
Oxytetracycline	Terramycin	Antibiotic
Perphenazine	Trilafon	Antipsychotic, Tranquilizer
Perphenazine + Amitriptyline	Etrafon	Antidepressant (tricyclic), Tranquilizer
" "	Triavil	Antidepressant (tricyclic), Tranquilizer
Phenylbutazone	Butazolidin	NSAID,* Antiarthritic
Phenylpropanolamine + Chlorpheniramine	Ornade Spansule	Antihistamine, Decongestant
Phenylpropanolamine + Pheniramine + Pyrilamine	Triaminic TR	Decongestant, Antihistamine
Phenytin	Dilantin	Anticonvulsant
Piroxicam	Feldene	NSAID,* Antiarthritic
Polythiazide	Renese	Antihypertensive, Thiazide diuretic
Prazosin + Polythiazide	Minizide	Antihypertensive, Thiazide diuretic
Prochlorperazine	Compazine	Antinausea, Anti-vomiting
Promethazine	Phenergan	Antihistamine
Propranolol + Hydrochlorothiazide	Inderide	Beta-adrenergic blocker, Thiazide diuretic
Protriptyline	Vivactil	Antidepressant (tricyclic)
Pyrazinamide	Pyrazinamide	Anti-infective, Antituberculosis
Quinethazone	Hydromox	Antihypertensive, Diuretic
Quinidine Gluconate	Quinaglute Dura-Tabs	Antiarrhythmic
Quinidine Sulfate	Quinidex Extentabs	Antiarrhythmic
" "	Quinora	Antiarrhythmic
Quinine	Quinamm	Antiprotozoal
Rauwolfia + Serpentina + Bendroflumethiazide	Rauzide	Antihypertensive, Thiazide diuretic
Reserpine + Chlorothiazide	Diupres	Antihypertensive, Thiazide diuretic
Reserpine + Hydrochlorothiazide	Hydropres	Antihypertensive, Thiazide diuretic
" "	Serpasil-Esidrix	Antihypertensive, Thiazide diuretic
Reserpine + Hydralazine + Hydrochlorothiazide	Ser-Ap-Es	Antihypertensive, Thiazide diuretic
Selegiline	Elderyl	Anti-Parkinsonism, MAO inhibitor
Spironolactone + Hydrochlorothiazide	Aldactazide	Antihypertensive, Thiazide diuretic
Sulfacytine	Renoquid	Antibiotic

Sulfadoxine + Pyrimethamine	Fansidar	Antimalarial, Antiprotozoal
Sulfamethizole + Phenazopyridine	Thioisuffil-A	Urinary analgesic, Antibiotic
Sulfamethoxazole	Gantanol	Antibiotic
Sulfamethoxazole + Phenazopyridine	Azo Gantanol	Antibiotic, Urinary analgesic
Sulfapyridine	(Generic only)	Dermatitis herpetiformis suppressant
Sulfasalazine	Azulfidine	Bowel anti-inflammatory
Sulfipyrazone	Anturane	Antigout agent, Antihyperuricemic
Sulfasoxazole	Gantrisin	Antibiotic
Sulfasoxazole + Phenazopyridine	Azo Gantrisin	Antibiotic, Urinary analgesic
Sulfone	Dapsone	Antileprosy, Antimalarial
Sunlindac	Clinoril (<1%)	NSAID,* Antiarthritic
Terfenadine	Seldane	Antihistamine
Tetracycline	Achromycin	Antibiotic
" "	Sumycin	Antibiotic
Thioridazine	Mellaril	Antipsychotic, Tranquilizer
Thiothixene	Navane	Antipsychotic, Tranquilizer
Timolol + Hydrochlorothiazide	Timolide	Beta-adrenergic blocker, Thiazide diuretic
Tolazamide	Tolinase	Antidiabetic (oral), Sulfonyleurea
Tolbutamide	Orinase	Antidiabetic (oral), Sulfonyleurea
Tretinoin	Retin-A	Antiacne (topical)
Triamterene	Dyrenium	Antihypertensive Diuretic
Trifluoperazine	Stelazine	Antipsychotic, Tranquilizer
Triflupromazine	Vesprin	Antiemetic, Antipsychotic
Trimeprazine	Temaryl	Antipsychotic, Tranquilizer
Trimethoprim	Trimpex	Antibiotic
Trimethoprim + Sulfamethoxazole	Bactrim	Antibiotic
" "	Septra	Antibiotic
Trimipramine	Surmontil	Antidepressant (tricyclic)
Tripeleminamine	PBZ	Antihistamine
Tripolidine	Actidil	Antihistamine
Tripolidine + Pseudoephedrine	Actifed	Antihistamine, Decongestant
Visblastine	Velban	Antieoplastic

*Non-Steroidal Anti-Inflammatory Drug

Other Photosensitizing Agents

Classification Or Use	Agent
Antifungals	Fentichlor, Jadit, Multifungin
Antimicrobials, antiseptics	Bithionol, Chlorhexidine, Hexachlorophene
Artificial sweeteners	Calcium cyclamate, Cyclamates, Sodium cyclohexyl-sulfamate
Coal tar and coal tar derivatives for psoriasis and chronic eczema and in hair shampoos	Anthracene, Many phenolic agents, Naphthalene, Phenanthrene, Pitch, Thiophene
Cosmetics and dyes	Acridine, Eosine, Erythrocine, Fluorescein, Methylene blue, Methyl violet, Orange red, Paraphenylenediamine, Rose bengal, Toluidine blue, Trypafavin, Trypan blue
Deodorant and bacteriostatic agents in soaps	Halogenated carbanilides, Halogenated phenols, Halogenated salicylanilides
Fluorescent brightening agent for cellulose, nylon or wool fibers	Blankophor
Melanogenics (furocoumarins)	Methoxyposoralens, Petroleum products, Psoralen
Perfumes and toilet articles (essential oils)	Ethereal oils, Musk ambrette, Oil of bergamot, Oil of cedar, Oil of citron, Oil of lavender, Oil of lemon, Oil of lime, Oil of rosemary, Oil of sandalwood
Perfumes, flavoring, spices	Rutaceae (plant), Umbelliferae (plant)
Tattoos	Cadmium sulfide

Products

A few products also are known to make the skin more sensitive to UV light, such as halogenated salicylanilides and related compounds used as antibacterial agents in first-aid creams, acne preparations and deodorant soaps. Perfumes and colognes containing furocoumarins, compounds from natural products such as plants and fruits, have natural oils that can sensitize the skin to sunlight. Musk ambrette is used in some aftershaves and colognes and also has been found to cause skin reaction to UV light.

Some makeup products contain the following dyes, which can cause a reaction under UV light, and other reason to make sure skin is clean before tanning. Certain food products also contain the following dyes.

Acridine	Fluorescin	Toluidine Blue
Anthracene	Methylene Blue, Violet, Orange	Trypafavin
Cadmium Sulfide	and Red	Trypan Blue
Eosin (found in lipstick)	Neutral Red	
Erythrosin	Rose Bengal	

Sunscreens With A Reported Photosensitizing Ingredient

6-Acetoxy-2, 4-dimethyl-m-dioxane	(Preservative in sunscreen)
Benzophenones	(Aramis, Clinique and others)
Cinnamates	(Aramis, Estée Lauder and others)
Oxybenzone	(Eclipse, PreSun and others)
PABA esters	(Eclipse, Block Out, Sea & Ski and others)
Para-aminobenzoic acid	(PABA-Pabagel, Pabanol, PreSun and others)

Health Conditions

If your clients have any of the following conditions they should not tan without written consent from their physicians.
(It is very unlikely that any doctor will permit tanning under these circumstances.)

Albinism
Atinie Prurigo
Dermatomyositis
Lichen Rubber

Lung Tuberculosis
Lupus Erythematosum
Melasma
Photoallergic Eczema

Polymorphous Light Eruption
Porphria
Related Allergies

Rosacea
Solar Urticaria
Sun Poisoning

Varix
Vitiligo
Xeroderma Pigmentosum

ANTIDEPRESSANTS

clomipramine (Anafranil)
isocarboxazid (Marplan)
maprotiline (Ludiomil)
mirtazapine (Remeron)
sertaline (Zoloft)
TRICYCLIC AGENTS, e.g.,
Elavil, Asendin, Norpramin,
Sinequan, Tofranil, Aventyl,
Vivactil, Surmontil,
venlafaxine (Effexor)

ANTIHISTAMINES

astemizole (Hismanal)
cetirizine (Zytec)
cyproheptadine (Periactin)
dimenhydrinate (Dramamine)
diphenhydramine (Benadryl)
hydroxyzine (Atarax, Vistaril)
loratadine (Claritin)
terfenadine (Seldane)

ANTIMICROBIALS

azithromycin (Zithromax)
griseofulvin (Fulvicin, Grisactin)
*nalidixic acid (NegGram)
QUINOLONES, e.g.,
Cipro, Penetrex, Levaquin, Floxin,
*Maxaquin, Noroxin, *Zagam
sulfasalazine (Azulfidine)
*SULFONAMIDES, e.g.,
Gantrisin, Bactrim, Septra
TETRACYCLINES, e.g.,
*Declomycin, Vibramycin, Minocin,
Terramycin

ANTIPARASITICS

*bithionol (Bitin)
chloroquine (Aralen)
mefloquine (Lariam)
pyrvinium parnoate (Povan, Vanquin) quinine

ANTI-PSYCHOTICS

chlorprothixene (Taractan, Tarasan)
haloperidol (Haldol)
*PHENOTHIAZINES, e.g.,
Compazine, Mellaril, Stelazine, Phenergan,
Thorazine
risperidone (Risperdal)
thiothixene (Navane)
CANCER CHEMOTHERAPY
*dacarbazine (DTIC)
fluorouracil (5-FU)
methotrexate (Mexate)
procarbazine (Matulane, Natulan)
vinblastine (Velban, Belbe)

CARDIOVASCULARS

(see also Diuretics)
ACE INHIBITORS, e.g.,
Capoten, Vasotec, Monapril, Accupril, Altace,
Univasac
*amiodarone (Cordarone)
diltiazem (Cardizem)
disopyramide (Norpace)
losartan (Hyzaar)
lovastatin (Mevacor)
nifedipine (Procardia)
pravastin (Pravachol)
quinidine (Quinaglute)
simvastatin (Zocor)
sotalol (Betapace)

DIURETICS

(see also Cardiovasculars)
acetazolamide (Diamox)
amiloride (Midamor)
furosemide (Lasix)
metolazone (Diulo, Zaroxolyn)
*THIAZIDES, e.g., HydroDiuril, Naturetin

*HYPOGLYCEMIC

SULFONYLUREAS
acetohexamide (Dymelor)
chlorpropamide (Diabinese)
gliimepiride (Amaryl)
glipzide (Glucotrol)
glyburide (DiaBeta, Micronase)
tolazamide (Tolinase)
tolbutamide (Orinase)

NSAIDs

All non-steroidal anti-inflammatory
drugs, e.g.,
ibuprofen (Motrin),
naproxen (Anaprox, Naproxyn),
Orudis, Feldene, Voltaren, etc.
The new NSAID agents include:
etodolac (Lodine), nabumetone (Relafen),
oxaprozin (Daypro)

SUNSCREENS

*benzophenones (Arimis, Clinique)
cinnamates (Arimis, Estée Lauder)
dioxbenzone (Solbar Plus)
oxybenzone (Eclipse, PreSun, Shade)
PABA (PreSun)
*PABA esters
(Block Out, Sea & Ski, Eclipse)

MISCELLANEOUS

benzocaine
benzoyl peroxide (Oxy 10)
carbamazepine (Tegretol)
chlordiazepoxide (Librium)
coal tar, e.g., Tegrin, Zetar)
CONTRACEPTIVES, oral
estazolam (ProSom)
*etretinate (Tegison)
felbamate (Felbatol)
gabapentin (Neurontin)
gold salts (Myochrysin, Ridaura, Solganal)
hexachlorophene (pHisoHex)
hypericum (St. John's Wort)
interferon beta-1b (Betaseron)
*isotretinoin (Accutane)
masoprocol (Actinex)
olsalazine (Dipentum)
*PERFUME OILS, e.g.,
bergamot, citron, lavender, sandalwood,
cedar, musk
*PSORALENS
selegiline (deprenyl, Eldepryl)
*tretinoin (Retin-A, Vitamin A Acid)
zolpidem (Ambien)

Note: Items with an asterisk (*) are more likely to cause photosensitivity reactions. Overall, the drugs listed above cause reactions in less than 1% of patients. Tell clients who get an unusual "sunburn" or allergic or eczematous reaction in skin areas exposed to light to let their physician or pharmacist know about the problem and to discontinue exposure to UV radiation. Photosensitivity data from Pharmacist's Letter.

Primary Class Of Medications Responsible For Photosensitizing Reactions

(examples by generic name)

ANTIHISTAMINES

Astemizole
Azatadine
Brompheniramine
Buclizine
Carbinoxamine
Cetirizine
Chlorpheniramine
Clemastine

Cyclizine

Cyproheptadine
Dexchlorpheniramine
Dimenhydrinate
Diphenhydramine
Diphenylpyraline
Doxylamine
Hydroxyzine
Loratadine
Meclizine
Methapyrilene
Methdilazine
Orphenadrine
Pheniramine
Promethazine
Pyrilamine
Terfenadine
Trimeprazine
Tripelemamine
Triprolidine

COAL TAR

AND DERIVATIVES

(examples by brand names)
Alphosyl
Aquatar
Denorex Medicated Shampoo
DHS Tar Gel Shampoo
DOAK Shampoo
Estar
lonil T Plus
LAVATAR
Medotar
TDerm Tar Emollient
Tegrin Shampoo
TGel Therapeutic Shampoo
Zetar Shampoo

CONTRACEPTIVES, ORAL & ESTROGENS

(birth control pills,
female sex hormones)

ESTROGENS

Chlorotrianisene
Diethylstilbestrol
Estradiol
Estrogens, conjugated
Estrogens, esterified
Estropipate

PROGESTOGENS

Ethinyl estradiol
Medroxyprogesterone
Megestrol
Norethindrone
Norgestrel
Quinestrol

NSAIDs: NON-STEROIDAL ANTI-INFLAMMATORY DRUGS

(antiarthritics)
Diclofenac
Diflunisal
Fenoprofen
Flurbiprofen
Ibuprofen
Indomethacin
Ketoprofen
Meclofenamate
Naproxen
Phenylbutazone
Piroxicam
Sulindac
Suprofen
Tolmetin

PHENOTHIAZINES

(major tranquilizers, anti-emetics)
Acetophenazine
Butaperazine
Carphenazine
Chlorpromazine

Ethopropazine
Fluphenazine
Mesoridazine
Methdilazine
Methotrimeprazine
Perphenazine
Piperacetazine
Prochlorperazine
Promazine
Promethazine
Propiomazine
Thiethylperazine
Thioridazine
Trifluoperazine
Trifluopromazine
Trimeprazine

PSORALENS

Methoxsalen
Trioxsalen

SULFONAMIDES

("sulfa" drugs, antimicrobials,
anti-infectives)
Acetazolamide
Sulfacytine
Sulfadiazine
Sulfadoxine
Sulfamethizole
Sulfamethoxazole
Sulfapyridine
Sulfasalazine
Sulfapyrazine
Sulfisoxazole

SULFONYLUREAS

(oral anti-diabetics, hypoglycemics)
Acetohexamide
Chlorpropamide
Glipizide
Glyburide
Tolazamide
Tolbutamide

THIAZIDE DIURETICS

("water pills")
Bendroflumethiazide
Benzthiazide
Chlorothiazide
Chlorthalidone
Cyclothiazide
Hydrochlorothiazide
Hydroflumethiazide
Methyclothiazide
Polythiazide
Trichlormethiazide

TETRACYCLINES

(antibiotics, anti-infectives)
Chlortetracycline
Demeclocycline
Doxycycline
Methacycline
Oxytetracycline
Tetracycline

TRICYCLIC ANTIDEPRESSANTS

Amitriptyline
Amoxapine
Clomipramine
Desipramine
Doxepin
Imipramine
Isocarboxazid
Maprotiline
Mirtazapine
Nortriptylin
Protriptyline
Sertaline
Trimipramine