

Drugs containing tartrazine dye

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The symptom complex of aspirin sensitivity, nasal polyps, and asthma has been recognized for many years as a syndrome found in a significant number of adult intrinsic asthmatics.^{1,2} Recent evidence suggests that aspirin sensitivity with or without nasal polyps may also be present in patients with an extrinsic component to their asthma, in children and in some families.³⁻⁶ In fact, some severe asthmatics may be sensitive to aspirin without realizing it.⁷

How aspirin produces symptoms in this syndrome remains obscure. Several other unrelated drugs and chemicals have also been found to precipitate reactions in some aspirin-sensitive individuals. These include indomethacin,⁸ Na benzoate, mefenamic acid, aminopyrine, and F D & C yellow No. 5 tartrazine dye.^{2,9} Management of these patients must include avoidance of aspirin and other cross-reacting drugs if they are felt to be contributory.

The exact frequency of cross-reactivity to tartrazine remains controversial, with reports varying from less than 10% to over 80% of aspirin-sensitive patients.^{6,9,10} Also unknown is the quantity of tartrazine necessary to provoke a reaction. Reports in the literature relate challenge doses ranging from 1 mg to as high as 25 mg.¹⁻¹¹ More recently, an investigator used challenge doses no higher than 0.44 mg to determine tartrazine sensitivity.⁶ We recently produced a severe reaction in a patient with 1 mg of tartrazine, a previously accepted dose to begin a challenge.

CASE REPORT

Our patient, a 27-year-old man, presented with a history of asthma of 1 yr duration. At the time he was seen he had daily wheezing, which required regular administration of bronchodilators. A history of severe exacerbations of asthma on several occasions following the administration of aspirin was obtained. Sinus films were normal, and the patient did not have nasal polyps. The personal and family histories were negative for atopy, and intradermal skin tests for common inhalant allergens were negative except for several moderate reactions to grass pollens, which were not felt to be clinically significant.

Because of the clinical impression of aspirin sensitivity and the concern that the patient's severe asthma might also be associated with tartrazine sensitivity, it was elected to give him an oral challenge of tartrazine. In a fasting state, with bronchodilators withheld for 6 hr and with adequate baseline pulmonary functions, the patient was given 1 mg of tartrazine in 6 oz of water. Within 2 min he complained of substernal burning and chest tightness. Severe dyspnea associated with marked wheezing was noted within 5 min. Subcutaneous 1:1,000 epi-

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nephrine 0.3 cc was given, but the patient's bronchospasm increased. Intravenous aminophylline 350 mg, Solu-Medrol 250 mg, and Benadryl 25 mg were administered, as well as additional subcutaneous epinephrine. The patient's symptoms failed to abate completely, and he was admitted to the intensive care unit where bronchodilator and corticosteroid therapies were continued. Six hours following the challenge he was asymptomatic. There was no recurrence of symptoms in the subsequent 24 hr, and the patient was discharged.

From this case report it can be seen that a low dose of tartrazine, an amount not infrequently encountered in medications, may provoke exceedingly severe reactions. Although most of the tartrazine used in this country is found in foods, tartrazine is in widespread use in the pharmaceutical industry. Tartrazine-containing drugs have definitely been shown to provoke reactions in sensitive individuals.¹² Tartrazine is a stable dye and is used in producing not only a bright yellow color but also many other colors such as maroon, rust, and turquoise. Quantities of tartrazine dye employed vary tremendously. For example, a 50-mg Cytosax tablet contains 0.0018 mg tartrazine per tablet, while Questran contains 2.7 mg per tablet. The exact quantity of dye sufficient to cause a reaction is unclear. At this time it is difficult to estimate a tolerable quantity of dye which might be safely ingested by a sensitive individual. Considering the severity of reaction of our patient to 1.0 mg of tartrazine, it is doubtful that any amount of tartrazine could be tolerated by such an individual. Some drugs do contain only a minute quantity of dye, but no recommendations can be made regarding their safety.

The avoidance of tartrazine dye in medications is a significant problem to the physician. The presence of additives is not routinely listed on package inserts or reference materials available to the physician, including *Physicians' Desk Reference (PDR)*. Because of this we have compiled a list of drugs known to contain tartrazine dye. The list represents data compiled from drug companies responding to letters of inquiry sent in the fall of 1974 to all companies listed in the 1974 PDR. Those not responding received a second letter. From 198 companies queried there were 160 replies.

There was considerable variation in the replies we received. Many drug companies informed us that they were completely unaware of any problem with tartrazine dye. A few said that the incidence of tartrazine sensitivity in the general population was so low that this was not of importance to the drug industry. Several drug companies refused to give this information, stating that it was too great a task or that they had no way of obtaining this information on all of their products. Many companies stressed that although the list they sent was accurate on that day, addition or withdrawal of additives was subject to change without notice.

As more reports of sensitivities to drugs and drug additives appear in the literature, it becomes apparent that information about drug ingredients is essential. Every pharmaceutical company should have available complete listing of all of the contents of every product with which they deal, whether they manufacture all of the drug, part of it, or merely distribute it. In addition, this information should be included in package inserts and product information available to the physician. Notification of change of formulation of a drug, even if involving only an additive or preservative, should be required.

Recently, pharmacists and government officials have been advocating generic substitution legislation. In essence, this legislation would allow the pharmacist to substitute a drug generically equivalent to the brand name drug prescribed by the physician. Unless such legislation includes a provision for the physician to prevent any substitution if he so indicates, there will be no way to prevent a patient sensitive to an additive from receiving that additive. How can a pharmacist know that one brand has specifically been prescribed because the physician knows it does not contain a certain additive to which his patient reacts?

The following list of tartrazine-containing drugs is offered as an aid in managing tartrazine-sensitive patients until such time as changes in labeling are made. Drug companies whose products contain no tartrazine are listed first. This is followed by an alphabetical listing of manufacturers who responded with complete lists of dye-containing drugs. Drug companies that did not respond or supplied incomplete data are listed at the end. As was stressed by many of the companies, these data were accurate at the time their letter was sent and are subject to change without notice. In most cases a drug is listed by the company manufacturing it and may not be mentioned by the company distributing it.

DRUG COMPANIES WHOSE PRODUCTS DO NOT CONTAIN TARTRAZINE

Alcon Laboratories, Inc. (see Webcon)	Hollister-Stier Laboratories
B. F. Ascher & Company, Inc.	Hynson, Westcott & Dunning, Inc.
Astra Pharmaceutical Products, Inc.	International Pharmaceutical Corp.
Bentlich, Inc.	Keene Pharmaceuticals, Inc.
Brunswick Laboratories, Inc.	Mayrand, Inc.
Burton, Parsons & Company, Inc.	Medicone Company
Calbiochem	Medies Pharmaceutical Corporation
Calvin Chemical Corporation	Metabolic Products Corporation
Campbell Laboratories, Inc.	Metro Med, Inc.
Comatic Laboratories, Inc.	Miller Pharmacal Company, Inc.
Cutter Laboratories, Inc.	Owen Laboratories
Doak Pharmacal Company, Inc.	Person & Covey, Inc.
Dome Laboratories	Ror Chemical Company
Elkins-Sinn, Inc.	Rystan Company, Inc.
Emko Company	Schmid Laboratories, Inc.
Fellows Medical Manufacturing Company, Inc. (Chromalloy Pharmaceuticals, Inc.)	Serono Laboratories, Inc.
Fluoritab Corporation	Star Pharmaceuticals, Inc.
Fort David Laboratories, Inc.	Texas Pharmacal Company
Gerber Products Company	Ulmer Pharmacal Company
Geriatric Pharmaceutical Corp.	Unimed, Inc.
Glenwood Laboratories, Inc.	Viobin Corporation
Hellwig Pharmaceuticals	Webcon Pharmaceuticals (Alcon Labora- tories)
G. S. Herbert Laboratories	

DRUG COMPANIES WHOSE PRODUCTS CONTAIN TARTRAZINE

Abbott Pharmaceutical Products Division (Ross Laboratories)	Colchicine 0.6 mg Tablets
Ascorbic Acid Filmtab Tablet 500 mg	Compocillin-VK Filmtab Tablet 250 mg and 500 mg
Cefol Filmtab Tablet	Compocillin-V Oral Suspension
Colchicine 0.5 mg Granules	Dayamin Capsules

- Enduronyl Tablets
Erythrocin Liquid-400
Harmony 0.1 mg Tablet
Ibert Folie 500 Filmtab Tablet
K-Lor Powder 15 mEq and 20 mEq
Norisodrine Syrup with Calcium Iodide
Ogen 0.625 Tablets and 5 Tablets
Panwarfin Tablets 7.5 mg
Paradione Capsules 300 mg
Pedianmycin 400
Placidyl 750 mg Capsule
Sodium Phosphate-Biophosphate Solution,
Flavored
Tral 25 mg Filmtab Tablets
Vi-Daylin with Fluoride Chewable Tablets
Amfre-Grant, Inc.
Biocaps Tablets
Corovas Capsules
Neo-Corovas Tymcaps
Nitrovas Tablets
Prefort Capsules
Zymogest Tablets
Arch Laboratories (Lewis-Howe Company)
Lemon Tums Antacid Tablets
Armour Pharmaceutical Company
Letter 0.05, 0.2, 0.3 mg
Nicobid
Nicolar
Thyrolar ½, 2, 3
Arnar-Stone Laboratories, Inc.
Belbarb No. 2 Tablets
Emesert No. 2 Rectal Suppository
Hasacode Strong Tablets
Hasacode Tablets
Isoclor Expectorant Elixir
Isoclor Tablets
Isoclor Timesules (Capsule Shell)
Sopor Tablets 75, 150, 300 mg
Ayerst Laboratories, Inc.
Atromid-S Capsules
Beminal 500 Capsules
Beminal Fortified with Iron and Liver
Capsules
Clusivol Capsules
Clusivol Chew Tablets
Inderal Tablets 10, 40, 80 mg
Kerodex Cream
Mediatric Capsules
Mysoline Suspension
PMB 200 Tablets
Plegine Tablets
Premarin Tablets 0.3 mg, 1.25 mg
Premarin Vaginal Cream
Premarin 1.25 mg with Methyltestoster-
one, 10 mg Tablets
Thiosulfil A Forte Tablets
Barnes-Hind Pharmaceuticals, Inc.
Niadox*
Beecham Laboratories
Adrenosem Tablets
Conar-A Suspension
Cotrol-D Liquid, and Tablets
Elixir Hybephen
Hybephen Tablets
Hycal (Lime)
Livitamin Chewable Tablets
Livitamin Prenatal Tablets
Menest Tablets 0.3 mg
Salecdrox Tablets
Theralax Tablets
Tincture Phe-Mer-Nite
Veterinary Mycodex Pet Shampoo
Biocraft Laboratories, Inc.
Dalliereme Ointment
Boehringer Ingelheim Ltd.
Alupent Tablets 20 mg
Dulcolax Tablets 5 mg
Preludin Endurets 75 mg
Preludin Tablets 25 mg
Breon Laboratories, Inc.
Fergon Tablets
Bristol Laboratories (Bristol-Myers Com-
pany)
Azotrex Capsules
Bristacycline Capsules
Bristamycin Tablets
Dynapen Oral Suspension
Polycillin Capsules
Polycillin-PRB
Prostaphilin Capsules
Salutensin Tablets
Syncillin Tablets
Tegopen Capsules
Tetrex Capsules
Tetrex BID Capsules
Versapen Capsules
Burroughs Wellcome Company
Actifed Syrup
Emprazil Tablets
Fedrazil Tablets
Lanoxin Elixir
Lanoxin Tablets 0.125 mg
Carnrick Laboratories
Amen
Bontril PDM

*Product discontinued.

- Capital with Codeine
Hormonin
Minotal
Central Pharmaceutical Company
Anabalm Green
APC (Greenies) Tablets
Asphae-G Green Tablets and Yellow Tablets
Bilate Tablets
Bisilad
Cenagesic Tablets
Cen-Apap Tablets
Cholineth Tablets
Codinal-DM
Coditrate Tablets
Co-Xan
Neocylate Tablets
Niferex F. A. Tablets
Niferex Prenatal Tablets
Niferex with Calcium Tablets
Prednicen Tablets
Resereen Tablets
Rhinihist
Synate-M $\frac{1}{2}$ strength Tablets
Synophedal Tablets
Synophylate $2\frac{1}{2}$ gr Tablets
Synophylate-GG Tablets
Trisulfazine Tablets
Cetylite Industries, Inc.
Cetacaine
Ciba-Geigy Pharmaceuticals Division
Anturane 200 mg
Apresoline Tablets 10 and 100 mg
Apresoline-Esidrix Tablets 25/15
Butazolidin
Butazolidin Alka
Butazolidin Film-Coated Tablets
DBI-TD 100 mg
Dianabol Tablets 2.5 and 5 mg
Esidrix Tablets 50 mg
Fohistal Syrup
Fohistal Lontabs
Fohistal Tablets 1 mg
Ismelin Tablets 10 mg
Metandren Linguets 10 mg
Metandren Tablets 25 mg
Priscoline Lontabs
Pyribenzamine Expectorant with Codeine
Pyribenzamine Expectorant with Ephedrine
Pyribenzamine Lontabs 50 mg
Pyribenzamine Tablets 25 mg
Rimactane
Ritaline Tablets 5 and 20 mg
Ser-Ap-Es
Serpasil-Apresoline No. 1 and No. 2
Serpasil Elixir
Serpasil-Esidrix Tablets No. 1 and No. 2
Sterazolidin
Tandearil Sugar-Coated Tablets
Tofranil PM 75, 100, 125, and 150 mg
Tofranil Sugar-Coated Tablets
Transentine/Phenobarbital Tablets
Circle Pharmaceuticals, Inc.
Circavite-T Tablets
Tusquelin Cough Syrup
Uropeutic Tablets
Cole Pharmaceutical Company, Inc.
Banalg Liniment
Calcisorbate Tablets
Sal-Eze Tablets
Nanthinux Tablets
Cooper Laboratories, Inc.
Aminodur Dura-Tabs
Anodynos DHC
Cystex Tablets
Deconamine Tablets
Doxychol AS
Elixophyllin
Elixophyllin KI
Ergomar Tablets
Feronord Tablets
Neo-Sedaphen
Numa Dura-Tabs
Persistin Tablets
Vitron-C Plus Tablets
Derm-Arts Laboratories (see Marion)
Dista Products Company (see Eli Lilly)
Dooner Laboratories, Inc.
Dularin Syrup
Dularin TH Tablets
Slo-Fedrin 30 Gyrocaps
Slo-Fedrin 60 Gyrocaps
Slo-Fedrin A30 Gyrocaps
Slo-Fedrin A60 Gyrocaps
Dermik Laboratories, Inc.
Vanoxide and Vanoxide HC Lotions
Dorsey Laboratories
Asbron Elixir
Metaprel Tablets
Triaminic Expectorant
Triaminic Expectorant with Codeine
Triaminic Expectorant DH
Triaminic Tablets
Tussaminic Tablets
Dow Chemical Company
Novahistine Elixir
Novahistine Expectorant

- Novahistine LP
Quide Tablets 10 and 25 mg
Doyle Pharmaceutical Company
Delmark Egg Nog Mix
Delmark Milk Shake Mix, Vanilla Flavor
Delmark Quick Creamy Pudding Mix,
Vanilla and Butterscotch Flavors
Delmark Quick Custard, Vanilla, Banana,
Lemon, Coconut, and Butterscotch
Flavors
Delmark Quick Danish Souffle Mix
Delmark Quick Tapioca Pudding Mix
Dietene, Vanilla Flavor
Merimix Real Egg Custard
Meritene, Egg Nog Flavor
Precision High Nitrogen Diet
Precision-LR Diet, Orange, Lemon, and
Lime Flavors
Eaton Laboratories (Morton-Norwich Prod-
ucts, Inc.)
All Chloraseptic Products
Furoxone Tablets 100 mg
Jeeben Liquid Douche
Nebis Tablets
NP-27 Liquid
Pepto-Bismol Liquid (Green Mint)
Endo Laboratories, Inc.
Acon Capsules 25,000 and 50,000
Crystalline Coumadin Tablets 7.5 mg
Endecon Tablets
Endoglobin Forte Tablets
Endotussin-C Syrup
Endotussin-NN Syrup
Hycomine Compound Tablets
Hycomine Pediatric Syrup
Hycomine Syrup
Mesopin Elixir
Mesopin PB Elixir
Mesopin PB Tablets
Percodan Tablets
Percogesic Tablets
Remsed Tablets 5 mg
Sodium Warfarin Tablets 7.5 mg
Symmetrel Capsules
Valpin Elixir
Valpin PB Tablets
Vifort Capsules
Federal Pharmaceutical Corporation (see
Ormont)
Eisons Pharmaceutical Division (Lepler)
Intal Gelatin Capsules
C. B. Fleet Company, Inc.
Phospho Soda, Flavored
Phospho Soda, Regular
Summer's Eye
Summer's Eye, Herbal
Fleming and Company
Extendryl Chewable Tablets
Flint Laboratories (Travenol Laboratories)
Choloxin 2 and 6 mg
Synthroid 0.1 and 0.3 mg
Fuller Laboratories, Inc.
Glycerol Phosphate Enema
Glenbrook Laboratories
Bayer Children's Aspirin*
Bayer Decongestant Cold Tablets (adult
only)†
Gray Pharmaceutical Company
G. B. Prep Emulsion
Guardian Chemical Corporation
pHos-pHaid Tablets 0.25 gm green and
0.5 gm orange
Hoechst Pharmaceuticals, Inc.
Doxinate Capsules 60 and 240 mg
Holland-Rantos Company, Inc.
Nylmerate Solution
Hoyt Laboratories
Fluorigard Mouthrinse
Luride Drops
Luride Tablets Lemon and Lime Flavors
Phos-Flur Rinse Supplement Lime Flavor
Thera-Flur Gel-Drops
ICN Pharmaceuticals, Inc.
Chlorpheniramine maleate
Folic Acid
Prednisolone Tablets
T.D. Cold Capsules
Ingram Pharmaceutical Company
Thex Forte Capsules
Ives Laboratories, Inc.
Cyclospasmol Tablet 100 mg
Isordil Sublingual Tablet 2.5 mg
Isordil Tembids Tablets 40 mg
Johnson & Johnson
Chew-C Brand Vitamin C Chewable Tab-
lets, Lemon-Lime Flavor
Mierin Brand Gargle and Rinse
Kasar Laboratories

*Company plans to discontinue use of yellow No. 5 dye soon.

†Product still in test market; company plans to discontinue use of yellow No. 5 dye when product is ready for regular market.

Dimenhydrinate 50 mg
 Key Pharmaceuticals, Inc.
 Spasticol Tablet PB and SA
 Knoll Pharmaceutical Company
 Dilaudid Cough Syrup
 Tensodin Tablets
 Theokin Tablets
 Vita Metrazol Tablets
 Lakeside Laboratories
 Cantil with Phenobarbital Liquid
 Cantil with Phenobarbital Tablets
 Cantil Tablets
 Dactil with Phenobarbital Tablets
 Dactil Tablets
 Dactilase Tablets Film-Coated and Sugar
 Coated
 Ireon FA Tablets
 Ireon Tablets
 Metahydrin Tablets 2 and 4 mg
 Metatensin Tablets 2 mg
 Norpramin 25 and 50 mg
 Pipital Tablets
 Lannett Company, Inc.
 A.C.P. Compound Tablets green
 Apacomp Tablets
 Aquex Tablets 4 mg
 Bethanechol Chloride Tablets 25 mg
 Ceetolan Concentrate yellow
 Dextro-Amphetamine Sulfate Tablets 5
 mg
 Dimenhydrinate Tablets 50 mg
 Efricon Expectorant
 Obalan Tablets 35 mg
 Pentylan with Phenobarbital Tablets No.
 1 and No. 2
 Phenetron Tablets 4 mg
 Phenobarbital Tablets $\frac{1}{8}$ gr
 Phenobarbital Tablets green $\frac{1}{2}$ gr and 15
 mg
 Sodium Butabarbital Tablets 30 mg
 Veltane Tablets 4 mg
 Lederle Laboratories
 Achromycin V Syrup
 Aristocort Tablets 2, 1, and 8 mg
 Aureomycin HCl 250 mg
 Declomycin Tablets 75, 150, and 300 mg
 Falvin Capsules
 Ferro-Mandets
 Ferro-Sequels
 Filibon OT Tablets
 Folvite Tablets 1 and 0.25 mg
 Polvron Capsules
 Gevral Capsules
 Gevral T Capsules
 Gevrite Tablets
 Hydromox R Tablets

Methotrexate Tablets 2.5 mg
 Nilstat Oral Suspension
 Pathibamate Tablets 200 and 400 mg
 Perihemin Capsules
 Peritinic Tablets
 Pronemia Capsules
 Stresscaps
 Stresstabs 600
 Tri Hemic 600
 Triple Sulfas Suspension
 Varidase Oral Tablets
 Eli Lilly and Company (Dista Products
 Company)
 Amesec
 Aminophylline and Amytal Pulvules
 Aminosalicic Acid Tablets 500 mg
 Ammonium Chloride Tablets $7\frac{1}{2}$ and 15
 gr
 Amytal Tablet 100 mg pink
 Anhydron Tablet 2 mg pink
 A.S.A. 5 and 10 gr
 Aventyl HCl Pulvules 10 and 25 mg
 Becotin-T Tablet cinnamon brown
 Becotin with Vitamin C Pulvules
 Betalin Compound Pulvules
 Bilron Pulvules 150 and 300 mg
 Cascara Tablet N.F. 5 gr chocolate-colored
 Clopane Hydrochloride Solution 0.5%
 Coco-Diazine
 Co-Elorine Pulvules 25
 Cologel Liquid
 Compren Pulvules
 Co-Pyronil Pulvules
 Crystodigin Tablet 0.15 mg yellow
 Darvon-N with A.S.A.
 Darvon-N Suspension
 Darvon-N Tablet 100 mg
 Diethylstilbestrol Tablets 0.1, 0.25, 0.5,
 1.0, 5, and 25 mg
 Digiglusin Tablet sugar-coated green
 Dymelor Tablet 500 mg yellow
 Ephedrine and Amytal Pulvules
 Epragen Pulvules
 Ferro-Betalin Tablet chocolate-covered
 Ferrous Sulfate Tablets 5 gr red, green,
 chocolate
 Haldrone Tablet 1 mg yellow
 Hepicebrin Tablet
 Hista-Clopane Pulvules
 Histadyl and A.S.A. Compound Pulvules
 Histadyl and Ephedrine Hydrochloride
 No. 1 and No. 2 Pulvules
 Histadyl Pulvules 25 and 50 mg
 Hosone Chewable Tablets 125 mg and
 N.F. 250 mg
 Hosone Pulvules 125 and 250 mg

Hosone Tablet N.F. 500 mg
I-Sedrin Plain Solution
Keflex for Pediatric Drops 100 mg
Keflex Pulvules 250 mg
Lextron and Lextron Ferrous Pulvules
Mi-Cebrin Tablets yellow
Mi-Cebrin T Tablet orange
Multicebrin Tablet
Novacebrin Chewable Tablet yellow
Novacebrin with Fluoride Chewable Tablet orange
Novrad with A.S.A. Pulvules
Novrad Pulvules 50 and 100 mg
Ox Bile Extract 5 gr
Pancreatin, triple strength 5 gr
Paveril Phosphate and Amytal Tablet green
Potassium Chloride Tablet 300 mg and 1 gm
Potassium Iodide 300 mg
Prunicodeine
Quinine Sulfate Tablet 5 gr chocolate-colored
Reticulex Pulvules
Rhinitis Tablet full-strength chocolate-colored
Sandril Tablet 0.25 mg green
Seconal Sodium 100 mg
Seconal Sodium Pulvules 30, 50, and 100
Sedatussin
Sodium Chloride Tablets 15½ gr
Sodium Salicylate Tablets 5 and 10 gr
Tes-Tape
Thyroid Tablets 30, 60, 120, and 200 gr
Trinsicon and Trinsicon M Pulvules
Tuinal Pulvules 50, 100, and 200 mg
Tylandril Tablet green
Ultran Pulvules 300 mg
Ultran Tablet 200 mg light green
V-Cillin K Pediatric for Oral Solution 250 mg
White Pine and Ammonium Chloride Compound
White Pine Compound Syrup
White Pine Compound Syrup red mentholated
Mallinckrodt Pharmaceutical Products Division
Barbidonna Elixir
Barbidonna No. 2 Tablets
Covanamine Tablets
Covangesic Liquid and Tablets
Dainite K1 Tablets

K1-N Tablets
Lufyllin EPG Elixir*
Lufyllin GG Tablets*
Obotan Tablets
Pyraldine No. 2 Liquid
QIDpen VK for Oral Solution 250 mg/5 ml
QIDtet Capsules 250 and 500 mg
Ryna-Tussadine Expectorant Tablets
Rynatuss Pediatric Suspension
Vertavis Tablets
Marcen Laboratories, Inc.
Ossonate-Plus Oral
Marion Laboratories, Inc. (Derm-Arts Laboratory)
Os-Cal Forte Tablets
Os-Cal Gesic Tablets
Os-Cal Tablets
Os-Feo Vim Tablets
Pretts Tablets
Triten Tablets 1 and 2.5 mg
McKesson Laboratories
Axon Cold Tablets
Bay Rum
Kesso-Mycin Tablets
Lady Esther Dry Skin Cream
Oral Mouthwash yellow and red
Prednisolone Tablets
McNeil Laboratories, Inc.
Butibel Elixir
Buticaps Capsules 30 and 50 mg
Butigetic Tablets
Butiserpazide Tablets 25 Prestabs
Butisol Sodium Tablets 30 and 50 mg
Butizide Tablets 25 and 50 Prestabs
Clistin-D Tablets
Clistin Expectorant Syrup
Clistin Tablets 12 mg
Co-Tylenol Cold Formula Tablets
Haldol Tablets 1 and 5 mg
Nactisol Tablets
Parafon Forte Tablets
Reserpazide Tablets 25
Mead Johnson Laboratories
Cytosan 25 and 50 mg
Deca-Vi-Sol green and yellow
K-Lyte lime
Megace 20 mg
Natalins Rx
Oracon 28 (placebo)
Peristim Forte Capsules
Questran
Quibron Capsules*

*Company plans to discontinue use of yellow No. 5 dye soon.

- Quibron Plus Capsules†
 Quibron Elixir‡
 Quibron Plus Elixir§
 Trind Syrup
 Merck Sharp & Dohme
 Aldomet Tablets 250 and 500
 Aldoclor 250
 Benemid Tablets 0.5 gm
 Decadron Tablets 0.5 and 0.75 mg
 Edecrin Tablets 50 mg
 Elavil Tablets 25 and 50 mg
 HydroDiuril Tablets 50 mg
 Hydropres Tablets 25 and 50 mg
 Triavil Tablets 4-25 mg
 Vivactil Tablets 10 mg
 Merrell-National Laboratories
 Alysine Elixir
 AVC Suppositories
 AVC Suppositories with Dienestrol
 Cepacol Anesthetic Troches
 Cepacol Mouthwash/Gargle
 Cepacol Throat Lozenges
 Clomid Tablets 50 mg
 Decapryn Syrup
 Decapryn Tablets 12.5 mg
 DV Suppositories
 Nitranitol Tablets with Phenobarbital
 Orenzyme Bitabs
 Precalcin Lactate Capsules
 Sedadrops
 Tace Capsules 12, 25, and 72 mg
 Tenuate Tablets 25 mg
 Miles Laboratory, Inc.
 Chocks Bugs Bunny Multiple Vitamins
 Chocks Bugs Bunny Multiple Vitamins
 Plus Iron
 Chocks Multiple Vitamins
 Chocks Multiple Vitamins Plus Iron
 Flintstones Multiple Vitamins
 Flintstones Multiple Vitamins Plus Iron
 One-A-Day Multiple Vitamins
 One-A-Day Multiple Vitamins Plus Iron
 Mission Pharmaceutical Company
 Equilet Tablets
 Organon, Inc.
 Hexadrol Tablets 0.5 mg
 Maxibolin Elixir
 Maxibolin Tablets
 Ormont Drug & Chemical Company, Inc.‖
 (Federal Pharmaceutical Corp. and Pan-
 american Pharmaceuticals)
 Dura-C Graduals
 G.G.I. Expectorant
 Lapav Graduals
 Laud Iron Forte Tablets
 Multifluor Tablets
 Venthera
 Panamerican Pharmaceutical, Inc.* (see
 Ormont)
 Parke, Davis & Company
 Adroyd Tablets 5 and 10 mg
 Alophen Pills
 Ambodryl Hydrochloride Elixir
 Bardase Filmseal
 Cascara Sagra Extract Filmseal 3 and
 5 gr
 Celontin Kapsels 150 and 300 mg
 Combex Kapsels
 Combex with Vitamin C Kapsels
 Coryza Rx "A" Tablets
 Cyclopar Capsules 250 and 500 mg
 Desicel Kapsels 325 mg
 Dilantin Infatabs 50 mg
 Dilantin Kapsels 100 mg
 Erypar Filmseal
 Ferrous Sulfate Emplets
 Geriplex Kapsels
 Humatin Kapsels 50 mg
 Intribex Kapsels
 Midicel Acetyl Suspension
 Midicel Tablets 500 mg
 Milontin Kapsels 250 and 500 mg
 Natabec with Fluoride Kapsels
 Norlestrin Tablets 1 and 2.5 mg
 Norlutin Tablets 5 mg
 Norlutate Tablets 5 mg
 Nutritive Capsules
 Oxlopar Capsules 250 mg
 Paladac with Minerals Tablets
 Panteric Filmseal
 Parest Capsules 200 and 400 mg
 Pentobarbital Sodium Capsules 100 mg
 Phelantin Kapsels
 Ponstel Kapsels 250 mg

*Product expiring September, 1978, or later—no dye.

†Product expiring October, 1976, or later—no dye.

‡Product expiring May, 1979, or later—no dye.

§Product expiring May, 1976, or later—no dye.

‖Products manufactured for Panamerican Pharmaceuticals by Ormont Drugs do not contain yellow No. 5 dye but other products of that company may.

- Povan Tablets
Procainamide Hydrochloride Capsules 250 mg
Rhinitis Tablets full strength
Taka Combex Kapsels
Taka-Diastase, Pepsin and Pancreatin Filmseal
Thera-Combex H-P Kapsels
Thera-Combex Kapsels
Theridol Kapsels
Thyroid Strong Tablets
Ventrex Kapsels
Ventrilex Kapsels
Vitamin C Tablets 100, 250, and 500 mg
Pennwalt Pharmaceutical Division (Pharmcraft)
Acogesic Capsules
Adapin 10, 25, 50, 100 mg
Cholan V. Tablets
Ionamin 15 and 30 mg
Metropine Tablets
Sinarest Tablets
Strascogesic Tablets
Tussionex Suspension and Capsules
Zaroxolyn Tablets 10 mg
Pfizer Laboratories Division
Pfizerpen G Buffered Powder for Syrup
Terramycin Pediatric Drops
Terramycin Syrup
Terramycin Tablets
Vistaril Oral Suspension
Vistrax Tablets
Pharmacia Laboratories, Inc.
Azulfidine En-Tabs
Pharmcraft (see Pennwalt)
Philips Roxane Laboratories, Inc.
Acetaminophen Elixir N.F.
Belakoids Tablets
Chlorpheniramine Maleate Tablets 4 mg
Digoxin Tablets 0.125 mg
Pentaerythritol Tetranitrate Tablets N.F. 10 and 20 mg
Phenobarbital Tablet 30 mg yellow
Potassium Chloride Liquid 10%
Prednisolone Tablet 5 mg
W. P. Poythress & Company
Antrocol Tablets
Mudrane GG Tablets
Mudrane GG No. 2 Tablets
Mudrane Tablets
Solfoton Tablets
Purdue Frederick Company
Gentlax S Tablets
Senokap DSS Capsules and Tablets
Reed & Carnrick Pharmaceuticals
Phasil
Phazyme
Sidonna
Rexall Drug Company
Anapae 11 Cold Tablets
Antihistamine Tablets 25 mg
Asma Kets A.H. Tablets
Balsam Conditioning Shampoo
Bright Set Hair Setting Lotion—Hard to Hold
Cara Nome Hormone Cream
Cara Nome Moisture Cream
Cara Nome Roll-On Deodorant, Antiseptic
Chemere Cream Sachet
Chemere Hand and Body Lotion
Fast Home Permanent Wave—Silver
Gel Wave Set—Hard to Hold
Ger-Rite Tablets
Greaseless Hair Tonic
Hair Setting Lotion—Normal
Herbal Conditioning Shampoo
Mineralized "B" Complex Tablets
National Tea Lady Kare Moisture Drop
New Awakening Lemon Cream Rinse
New Awakening Lemon Hand Lotion
New Awakening Lemon Shampoo
Pabizol without Paregoric
Park Lane Special Care Lotion
Prednisolone 5 mg
Rexall Lavender Pre-Shave Lotion
Rexall Brite Conditioning Shampoo
Rexall Lavender After Shave Lotion
Rexall Minuteman Chewable Multivitamins
Rose Hip Vitamin C Chewable 300 mg
Safeway Chewable Vitamin C Tablets 100 mg
Shopper Fair Balsam Hair Conditioning
Shop Rite Decongestant Relief Tablets
Shop Rite Dry Skin Cream
Shop Rite Moisture Drops
Riker Laboratories, Inc.
Alu Tap
Disipal
Norgesic
Rauwiloid
Sombulex
Veriloid
A. H. Robins Company
Adabee Tablets
Adabee with Minerals Tablets
Dimetane Elixir and Tablets
Donnagel/Donnagel-PG
Donnatal Elixir
Donnatal Extentabs

- Donnatal No. 2 Tablets
 Donnatal Plus Tablets
 Exna Tablets
 Pabalate Tablets
 Phenaphen Tablets
 Repoise Tablets 5, 10, and 25 mg
 Robimycin Tablets
 Robitet Capsules 250 and 500 mg
 Silain Gel Tablets
 Sulla Tablets
 Tybatran Capsules 100, 250, and 300 mg
 Roche Laboratories
 Berocca Tablets
 Dalmane 15 and 30 mg
 Elixir Alurate Verduin
 Larobee Tablets
 Larodopa 250 mg
 Libritabs 5, 10, and 25 mg
 Librax
 Librium Capsules 5, 10, and 25 mg
 Matulane
 Menrium 5-2, 5-4, 10-4
 Roniacol Timespan
 Taractan Concentrate
 Taractan Tablets 10, 25, 50, and 100 mg
 Valium Tablets 5 mg
 Roerig (Pfizer Pharmaceuticals)
 Antivert Chewable Tablets 25 mg
 Antivert Tablets 25 mg
 Atarax Tablets 25 and 50 mg
 Bonine Chewable Tablets
 Cartrax Tablets 10 and 20 mg
 Enarax-10 Tablets
 Heptuna Plus Capsules
 Lithane Tablets
 Marax Syrup*
 Navane Capsules 1, 2, 5, 10, and 20 mg
 Obro-6 Tablets
 Roeribee Tablets
 Vitamin B with C
 Viterra Tablets
 W. H. Rorer, Inc.
 Ananase Tablets
 Emetrol
 Ross Laboratories (see Abbott)
 Rowell Laboratories, Inc.
 Cal-Ron OB
 C-Ron Freckles
 Iso-Tabs
 Ro-Bile
 Ro-Sulfa
 Vio-Gerie
- Sandoz Pharmaceuticals
 Belladrenal Elixir
 Bellergal Spacetabs
 Cafergot PR Tablets
 Cedilanid Tablets
 Fiogesia Tablets
 Fiorinal Capsules
 Fiorinal with Codeine Capsules
 Mellaril Tablets 10, 100, and 150 mg
 Sansert Tablets
 Serentil Tablets, all strengths
 Torecan Tablets
 Saron Pharmacal Corporation
 AL-R Capsules
 Azo-Sulfstate
 Butabell HMB Elixir
 Fem-H 0.625 and 1.25 mg
 Gerinats-OTC
 Gerinats-T
 Gevizol
 Hi-Temp
 Maxi-E
 Mega-Vita
 Natalets-F
 RBC Plus
 S-Aqua-D
 Saramp 250 mg
 Saramp Oral Suspension
 Sarolax
 S-Painacet
 S-Pain-Cpd-65
 Savage Laboratories
 Pyrilgin Liquid
 Schering Corporation
 Celestone Tablets
 Chlor-Trimeton Repetabs 8 and 12 mg
 Chlor-Trimeton Syrup
 Chlor-Trimeton Tablets 4 mg
 Cod Liver Oil Concentrate Tablets
 Coricidin Demilets
 Coricidin Medilets
 Coriforte Capsules
 Corilin Infant Liquid
 Demazin Syrup
 Deronil Tablets
 Disophrol Chronotab Tablets
 Drixoral Sustained Action Tablets
 Estinyl Tablets 0.02 and 0.5 mg
 Etrafon 2-10 Tablets
 Etrafon Tablets
 Gitaligin Tablets
 Gynetone Tablets 0.02 and 0.04 mg

*New formula (Marax DF Syrup) now being distributed does not contain yellow No. 5 dye.

- Mol-Iron Chronosule Capsules
Mol-Iron Panhemie Capsules
Mol-Iron Panhemie Chronosule Capsules
Mol-Iron with Vitamin C Chronosule Capsules
Naqua Tablets 2 and 4 mg
Naquival Tablets
Oreton Propionate Buccal Tablets
Oreton Methyl Tablets 25 mg
Permitil Chronotabs Tablets 1 mg
Permitil Tablets 0.25 mg
Prantal Repetabs Tablets
Rela Tablets
Trilafon Syrup
Trilafon Tablets 2, 4, 8, and 16 mg
Searle Laboratories
Amodrine
Banthine Tablets
Banthine with Phenobarbital Tablets
Dartal Tablets 10 mg
Dramamine Liquid
Dramamine Tablets
Keophyllin Tablets
Pro-Banthine with Dartal Tablets
Smith Kline & French Laboratories
Benzedrine Spansule Capsules
Benzedrine Tablets 5 and 10 mg
Combid Spansule Capsules
Compazine Spansule Capsules
Compazine Tablets 5 and 10 mg
Dexamyl Elixir
Dexamyl Spansule Capsules No. 1 and No. 2
Dexamyl Tablets
Dexedrine Elixir
Dexedrine Spansule Capsules 5, 10, and 15 mg
Dexedrine Tablets
Dibenzylamine Capsules
Ecotrin Tablets
Eskalith Capsules
Eskatrol Spansule Capsules
Feosol Spansule Capsules
Feosol Tablets
Fortespan Capsules
Paredrine Tablets
Prydon Spansule 0.4 and 0.8 mg
Prydonnal Spansule Capsules
SK-Ampicillin Capsules 250 and 500 mg
SK-Erythromycin Tablets
SK-Estrogen Tablets 0.3, 0.625, 1.25, 2.5 mg
Stelazine Concentrate
Thorazine Tablets 10, 25, 50, 100, and 200 mg
Tuss-Ornade Liquid
Vontrol Tablets
E. R. Squibb & Sons
Amnestrogen 1.25 and 2.5 mg
Dumogran Tablets
Dumone Tablets
Mystecilin-F 125 and 250 Capsules
Naturetin Tablets 2.5 and 5 mg
Nydrasid Syrup
Pentids 400 for Syrup
Pentids 800 Tablets
Prolixin Tablets 2.5 and 5 mg
Theragran-M Tablets
Valadol Chewable Tablets
Veetids 125 Oral Solution
Vesprin Tablets 50 mg
Stuart Pharmaceuticals
Bucladin
Chewable Sorbitrate 5 mg
Dialose Plus
Ferancee Chewable Tablets
Ferancee HP
Mulvidren Softab Tablets
Mylanta Tablets
Mylanta II Tablets
Normacid Tablets
Probec Tablets
Probec T Tablets
Sorbitrate Tablets oral 5 and 10 mg
Stuart Amino Acids and B₁₂ Tablets
Stuart Prenatal with Folic Acid Tablets
Stuart Therapeutic Multivitamin Tablets
Stuartinic
Stuartinic Tablets film-coated
Stuartnatal 1 + 1
Theron Tablets
Syntex Laboratories, Inc.
Norinyl 1 + 80
Nor-Q-D
S. J. Tutag & Company
Lotussin Cough Syrup
Pentafin Tablets 20 mg
T. D. Theral Capsules
Upjohn Company
Alphadrol 0.75 and 1.5 mg
Casakol
Cebefortis
Cebetinie
Cidicol
Comycin
Didrex
Diostate D
Emeracol
E-Mycin 250 mg
Ferrous Sulfate USP

- Geltabs Vitamin D 1.25 mg
 Halotestin 2, 5, and 10 mg
 Imbicol with Vitamin B₁₂
 Maolate
 Medrol Modules 2 and 4 mg
 Minacep
 Motrin 200 and 400 mg
 PAC Compound with Codeine SO₄
 PAC Compound Green
 Pamine PB Elixir and Tablets
 Pamine PB half-strength
 Pannycein HCl 250 mg
 Pannycein Tablets 250 and 500 mg
 Phenobarb and Belladonna No. 1 and No. 2
 Phenolax
 Polykol 250 mg
 Pyrroxate
 Pyrroxate with Codeine Phosphate ¼ gr
 Reserpoid 0.1, 0.25, and 1 mg
 Sigtab
 Special Formula No. 2
 Super D Perles
 Unicap
 Unicap M
 Unicap Therapeutic
 Unigesic II
 Uracil Mustard 1 mg
 Vitamin E 75 I.U.
 Zymafolic (disc)
 USV Pharmaceutical Corporation
 Aquasol E Capsules 30, 100, and 400 I.U.
 Azolid-A Capsules
 Duo-CVP Capsules
 Femicin Tablets
 Histaspas Capsules 8 and 12 mg
 Histaspas Plus Capsules
 Meltrol 50 mg Capsules
 Nitrospan Capsules
 Perispan Capsules 50 and 80 mg
 Pertofrane Capsules 25 and 50 mg
 Vi Aquamin Capsules
 Vi Aquamin Therapeutic Capsules
 Voramil Tablets
 Vale Chemical Company, Inc.
 Acecodyne
 Aminophylline 1½ gr yellow
 Antacid yellow
 Digitoxin 0.2 mg
 Ephedrine and Sodium Phenobarbital
 Ferate-C
 Glycotuss dM
 Ironco-B green
 Leptinol
 Magmalin
 Minto-Chlor Syrup with Codeine Sulfate
 Neocet
 Neocet, Junior
 Neuroval Elixir
 Nevrotose No. 3 yellow
 Nitrin
 Nyrat
 Phenobarbital ¼ gr green and yellow
 Phenobarbital ½ gr green
 Phenobarbital and Atropine
 Rhinogesic
 Rhinogesic, Junior
 Rhinogesic GG
 Serpate
 Sodium Butabarbital ½ gr green
 Sodium Salicylate 5 gr yellow
 Sulfisoxazole
 Thiamine Chloride Solution
 Trioval
 Valacet Capsules
 Valacet, Junior
 Valacet Tablets
 Valdrene Tablets
 Valobar
 Walker Corporation & Company, Inc.
 Ala Trist
 Aspir B
 Aspirin
 Brondilate
 Calathesin
 Child's Drikof
 Child's Ongestol
 Cystitabs
 Fenbane
 Limitite
 Neo Vinsol
 Pentacine
 Quiazone III
 Silikalin
 Spasmo Forte
 Thedrinal
 Tristalin
 Ucystine
 Walco Gen
 Wallace Laboratories
 Deprol Tablets
 Meprospan 200 and 400 Capsules
 Milpath 200 Tablets
 Miltrate 200/20 Tablets
 Wampole Laboratories (Denver Chemical Manufacturing Co.)
 Avazyme Tablets
 Bicol Tablets
 Creo-Terpin
 Creo-Terpin Plus

- Dr. Hand's Teething Gel
Dr. Hand's Teething Lotion
Ephed-Organidin Elixir
Siroil
Tussi-Organidin DM
Warner-Chileott Laboratories
Anusol-HC Suppositories
Euthroid ½, 1, and 3 gr
Gelusil—pineapple and spearmint
Mandelamine Tablets and Granules
Papase
Peritrate 10 and 20 mg
Peritrate with Phenobarbital 10 and 20 mg
Peritrate SA
Peritrate SA with Phenobarbital
Sinutab with Codeine
Tedral Anti H*
Tedral SA*
Utibid
Warren-Teed Pharmaceuticals, Inc.
Cal-O-B
Evac-Q-Tab
Homel Powder
Kaochlor-Eff
Kaochlor 10% Liquid
Kaon Elixir, lemon-lime
Modane Mild and Regular
Teeds
Winthrop Laboratories
Acidol Pepsin Capsules Hard Gelatin
Bilopaque Capsules Hard Gelatin
Hytakerol Capsules Soft Gelatin
Luminal ¼ and ½ gr
Mebroin
Mytelase
Plaquenil Sulfate Tablets 400 mg shellac coated
Trancopal Caplets 100 and 200 mg
Wyeth Laboratories
AMT Tablets
Bicillin Oral Suspension 150,000 and 300,000 U
Cyclospasmol Tablets 100 mg
Equagesic Tablets
Equanitate-20 Tablets
Ovrette Tablets
Pen Vee Suspension 180 mg
Pen Vee K for Oral Solution 125 and 250 mg
Phenergan Expectorant, Pediatric
Phenergan VC Expectorant, Plain
Phenergan VC Expectorant with Codeine
Phenergan Syrup
Polymagma Plain Tablets
Proketazine Maleate Tablets 12.5 and 25 mg
Purodigin Tablets 0.15 mg
Serax Tablets 15 mg
Sparine Hydrochloride Syrup 10 mg
Sparine Hydrochloride Tablets 10 and 25 mg
Unipen for Oral Solution
Zactane Tablets 75 mg
Zactirin Compound-100 Tablets
Zactirin Tablets
Zenith Laboratories, Inc.
Chlorpheniramine Maleate Tablets 4 mg
Chlorpromazine HCl Tablets 10, 25, 50, 100, and 200 mg
Conjugated Estrogen Tablets 1.25 mg
DAS Tablets 5 mg
Dimenhydrinate Tablets 50 mg
Folic Acid Tablets 1 mg
HHR Tablets
Hi Potency Vitamin B Complex with Vitamin C
Hydralazine Hydrochloride Tablets 10 mg
Hydrochlorothiazide with Reserpine Tablets
Phendimetrazine Bitartrate Tablets
Probenecid Tablets 0.5 gm
Sodium Butabarbital Tablets 30 mg
Vitamin B Complex with Vitamin C
Zenivites M

DRUG COMPANIES NOT RESPONDING OR PROVIDING INSUFFICIENT INFORMATION

- Arco Pharmaceuticals, Inc.
Beach Pharmaceuticals
Bowman Pharmaceuticals
Boyle & Company Pharmaceuticals
Brown Pharmaceutical Company, Inc.
Canright Corporation
Coast Laboratories, Inc.
Dattel Pharmaceutical Company, Inc.
Deleo Chemical Company, Inc.
Drug Industries Company
P. B. Elder Company, Inc.
Everett Laboratories, Inc.
Ferndale Laboratories, Inc.
Gilbert Laboratories

*New formulation eliminates tartrazine.

Hyrex-Key Pharmaceuticals	Norgine Laboratories
Inwood Laboratories, Inc.	Nutrition Control Products
Jamieson-McKames Pharmaceuticals, Inc.	Obetrol Pharmaceuticals
Kenwood Laboratories, Inc.	O'Neal, Jones & Feldman, Inc.
Kremers-Urban Company	Orbit Pharmaceutical Company, Inc.
Laser, Inc.	Ortho Pharmaceuticals
Lemmon Pharmaceutical Company	Reid Provident Laboratories, Inc.
Mallard Inc.	Standard Process Laboratories, Inc.
Marlop Pharmaceuticals, Inc.	Stayner Corporation
Medical Products Panamericana, Inc.	Westerfield Laboratories
Meyer Laboratories, Inc.	Western Research Laboratories
Nion Corporation	Zemmer Company

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