

INTERNATIONAL UNION OF PURE
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ANALYTICAL CHEMISTRY DIVISION

COMMISSION ON ANALYTICAL NOMENCLATURE

**GUIDE TO TRIVIAL NAMES, TRADE
NAMES AND SYNONYMS FOR
SUBSTANCES USED IN
ANALYTICAL NOMENCLATURE**

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INTRODUCTION

Any analyst who encounters for the first time a new procedure for determining heavy metals may well feel baffled if he is advised to carry out a titration in a urotropine buffer with complexon IV using sulfarsazen as an indicator. How should he proceed when recommended to carry out a liquid-liquid extraction with a solution of Aliquat-336 in hexone or IBMK after adding BAL as a masking agent? How does he find out whether Calcion is the same as Calcichrome, or Erio T the same as Solochrome Black WDF; whether there is a significant difference between MBTH and MBTHA, between Magneson I and Magneson II, or between Titan Yellow and Clayton's Yellow?

The following list of trivial names and synonyms has been produced with these problems in mind. It is certainly not exhaustive. Acid-alkali indicators have been omitted and of the numerous commercial and synthetic dyestuffs only those frequently referred to in papers dealing with complexometric titrations have been included. The same restriction applies to the many tetrazolium salts used as redox indicators and to which trivial names have been given. Organic scintillators, ion-exchange resins, stains, and reagents specifically used in biochemical procedures are not included.

When more than one trivial name or synonym is used for a particular substance, all alternatives are given without any proposed preference. The list that follows is intended only as a guide to identifying the chemical composition of substances used in analytical chemistry, and is not to be taken as implying IUPAC approval or recommendation for the names themselves, nor as modes for naming other analogous compounds.

The collection of material for this report was begun by R. W. Fennell in 1965 and continued by members of Commission V.3 and Professor H. M. N. H. Irving who is responsible for the present report. Special thanks are due to Dr. K. L. Loening of the American Chemical Society, Chemical Abstracts Service, for his careful checks on the correctness and consistency of the organic nomenclature and for many valuable comments.

H. M. N. H. Irving

TRIVIAL NAME	CHEMICAL NAME	SYNONYMS
ACETOL (1)	1-Hydroxy-2-propanone	Hydroxyacetone
ACETYLACETONE	2,4-Pentanedione	
N-ACETYLANABASINE	(S)-1-Acetyl-2-(3-pyridyl) piperidine	1-Acetylanabasine
ACTIVIN See Chloramine T	N-Chloro-p-toluenesulfonamide, sodium salt	
AESCULETIN See Esculetin	6,7-Dihydroxycoumarin	
ALAMINE-336 (2)		(C ₈₋₁₀ H ₁₇₋₂₁) ₃ N
ALIQAT-336 (2a)		(C ₈₋₁₀ H ₁₇₋₂₁) ₃ MeN ⁺ Cl ⁻
ALIZARIN COMPLEXAN (or Complexone) See Alizarin Fluorine Blue	[[(3,4-Dihydroxy-2-anthraquinonyl)methyl]imino]diacetic acid	(1,2-Dihydroxyanthraquinon-3-yl)methylamine-N,N-diacetic acid
ALIZARIN FLUORINE BLUE	[[(3,4-Dihydroxy-2-anthraquinonyl)methyl]imino]diacetic acid	3-[[Bis(carboxymethyl)amino]methyl]-1,2-dihydroxyanthraquinone; Alizarin complexan (or complexone)
ALUMINON	3-[Bis(3-carboxy-4-hydroxyphenyl)methylene]-6-oxo-1,4-cyclohexadiene-1-carboxylic acid, triammonium salt	Aurintricarboxylic acid, triammonium salt; C.I. 43810; F846; C.I. Mordant Violet 39
ALUMOCRESONE	3-[Bis(5-carboxy-4-hydroxy-m-tolyl)methylene]-5-methyl-6-oxo-1,4-cyclohexadiene-1-carboxylic acid	Trimethylaurin tricarboxylic acid
AMANITINE See Choline	(2-Hydroxyethyl)trimethylammonium hydroxide; Choline hydroxide	
AMIDOL	2,4-Diaminophenol, dihydrochloride	
AMIDOPYRINE See Pyramidon	4-(Dimethylamino)antipyrine	
AMINOFORM See Hexamine	Hexamethylenetetramine	
AMINOPYRINE See Pyramidon	4-(Dimethylamino)antipyrine	

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- (1) Not recommended. Acetol is also used for acetylsalicylic acid (Canada), cellulose acetate flake, acetaldehyde diethyl acetal, and (trade name) for a liquid fuel.
- (2) A commercial product of mixed amines of average formula as shown.
- (2a) A commercial product of quaternized mixed amines of average formula as shown.

TRIVIAL NAME	CHEMICAL NAME	SYNONYMS
ANDA	N,N-Bis(carboxymethyl)○ anthranilic acid, disodium salt	[(o-Carboxyphenyl)○ imino]diacetic acid, disodium salt
ANTARSINE	3-(p-Tolylthio)-1,2- propanedithiol	2,3-Dimercaptopropyl p- tolyl sulfide
ANTHRANILIC ACID	Anthranilic Acid	o-Aminobenzoic acid
ANTHRATICINE	Piperazine	Diethylenediamine; dispermine; piperazidine
ANTIPYRINE	Antipyrine	2,3-Dimethyl-1-phenyl- 3-pyrazolin-5-one; Phenazone
ANTIPYRYLAZO III	3,6-Bis(antipyrinylazo)- 4,5-dihydroxy-2,7- naphthalenedisulfonic acid	Diantipyrilazo
APANS; APNS See Thorin	4-[(o-Arsonophenyl)azo]-3- hydroxy-2,7-naphthalenedi○ sulfonic acid, 2,7-disodium salt	Naphtharson; Thoron (46); Thoronol
ARAZATE (3)	Bis(diethyldithiocarbamato) ○ zinc Bis(dibenzylthiocarbamato)○ zinc	
ARNOLD'S BASE	4,4'-Methylenebis[N,N- dimethylaniline]	Tetramethyl-p,p'-diamino○ diphenylmethane; Tetra base; Methane base; Methylene base
ARRHENAL (4)	Methanearsonic acid, disodium salt	Methylarsonic acid, disodium salt
ARSANILIC ACID (4)	Arsanilic acid	p-Aminobenzenearsonic acid; Atoxylic acid
ARSAZEN	5-Nitro-2-[3-[p-(phenylazo)○ phenyl]-1-triazeno]benzene○ arsonic acid	2-(p-Phenylazo○ anilinoazo)-5-nitro ○ benzenearsonic acid
ARSENAZO I	3-[(o-Arsonophenyl)azo]-4,5- dihydroxy-2,7-naphthalene○ disulfonic acid	o-[(1,8-Dihydroxy-3,6- disulfo-2-naphthyl)azo]○ benzenearsonic acid; neothorin; uranon
ARSENAZO II	3,3'-[(4,4'-Diarsono-3,3'- biphenylene)bis(azo)]bis○ [4,5-dihydroxy-2,7- naphthalenedisulfonic acid]	3,3'-Bis[(1,8- dihydroxy-3,6-disulfo- 2-naphthyl)azo]-4,4'- biphenyldiarsonic acid

(3) Arazate is the trademark of the Naugatuck Chemical Co. for the diethyl derivative. Cf. Chemie Analytique, 44 (1962) 161-165.

(4) Many additional synonyms for pharmaceutical preparations in Negwer.

TRIVIAL NAME	CHEMICAL NAME	SYNONYMS
ARSENAZO III	3,6-Bis[(o-arsonophenyl)azo]-4,5-dihydroxy-2,7-naphthalenedisulfonic acid	2,2'-[(1,8-Dihydroxy-3,6-disulfo-2,7-naphthylene)bis(azo)]dibenzearsonic acid
ASPIRIN	Salicylic acid, acetate	Acetylsalicylic acid
ATOXYLIC ACID See Arsanilic acid	Arsanilic acid	p-Aminobenzenearsonic acid
AURANTIA	2,4,6-Trinitro-N-(2,4,6-trinitro-2,5-cyclohexadien-1-ylidene)aniline ion(1-)	2,2',4,4',6,6'-Hexanitrodiphenylamine, ammonium deriv; Dipicrylamine, ammonium deriv.
AZOLE	Pyrrole	Imidole
AZO VIOLET See Magneson I	4-[(p-Nitrophenyl)azo]resorcinol	
BAL	2,3-Dimercapto-1-propanol	British Anti-Lewisite
BATHOCUPROINE	2,9-Dimethyl-4,7-diphenyl-1,10-phenanthroline	
BATHOPHENANTHROLINE	4,7-Diphenyl-1,10-phenanthroline	
BDBPM	Methylenediphosphonic acid, tetrabutyl ester	Bis(di-n-butoxyphosphinyl)methane
BERYLLON I	5-Amino-4,5'-dihydroxy-3,4'-azodi-2,7-naphthalenedisulfonic acid	
BERYLLON II	4,5,5'-Trihydroxy-3,4'-azodi-2,7-naphthalenedisulfonic acid	4,5-Dihydroxy-3-[(8-hydroxy-3,6-disulfo-1-naphthyl)azo]-2,7-naphthalenedisulfonic acid; DSNADNS
BERYLLON III	4-[[4-(Diethylamino)-2-hydroxyphenyl]azo]-5-hydroxy-2,7-naphthalenedisulfonic acid	
BERYLLON IV	[[6-[(o-Arsonophenyl)azo]-5-hydroxy-7-sulfo-2-naphthyl]imino]diacetic acid	
BHT	2,6-Di- <u>tert</u> -butyl-p-cresol	
BILINEURINE See Choline	(2-Hydroxyethyl)trimethylammonium hydroxide; Choline hydroxide	
bipy	2,2'-Bipyridine	dipy; 2,2'-Bipyridyl; α, α' -Dipyridyl
BISMUTHIOL I See Bismuthol I	1,3,4-Thiadiazole-2,5-dithiol	
BISMUTHOL I	1,3,4-Thiadiazole-2,5-dithiol	2-Mercapto- Δ^2 -1,3,4-thiadiazoline-5-thione; 2,5-Dimercapto-1,3,4-thiadiazole; Bismuthiol I; Bismuthon I.

TRIVIAL NAME	CHEMICAL NAME	SYNONYMS
BISMUTHOL II	2-Mercapto-4-phenyl- Δ^2 -1,3,4-thiadiazoline-5-thione (or potassium salt)	5-Mercapto-3-phenyl Δ^4 -1,3,4-thiadiazole-2-thione; Bismuthon II; Bismuthiol II
BISMUTHON II See Bismuthol II	2-Mercapto-4-phenyl- Δ^2 -1,3,4-thiadiazoline-5-thione	
BLUE TETRAZOLIUM	3,3'-(3,3'-Dimethoxy-4,4'-biphenylene)bis[2,5-diphenyl-2H-tetrazolium] dichloride	
bn	2,3-Butanediamine	2,3-Butylenediamine; 2,3-Diaminobutane
BPHA (5)	N-Phenylbenzohydroxamic acid	N-Benzoyl-N-phenylhydroxylamine; Tantalol
BRAZILIN	7,11b-Dihydrobenz[b]indeno[1,2-d]pyran-3,6a,9,10(6H)-tetrol	C.I. Natural Red 24; F 1375
BROMANILIC ACID	2,5-Dibromo-3,6-dihydroxy-p-benzoquinone	
BROMOSULFONAZO III	3,6-Bis[(4-bromo-2-sulfophenyl)azo]-4,5-dihydroxy-2,7-naphthalenedisulfonic acid, sodium salt	3,6-Bis(4-bromo-2-sulfophenylazo)chromotropic acid, sodium salt
BROMOXINE (6)	5,7-Dibromo-8-quinolinol	5,7-Dibromo-8-hydroxyquinoline
BRUSINE See Choline	(2-Hydroxyethyl)trimethyl ammonium hydroxide; Choline hydroxide	
BUTYL CELLOSOLVE	2-Butoxyethanol	
CACOTHELINE	2,3-Dihydro-4-nitro-2,3-dioxo-9,10-secostrychnidin-10-oic acid	a nitro derivative (C ₂₁ H ₂₁ N ₃ O ₇) from brucine
CAD	4'-Chloro-4-biphenylamine	4-Amino-4'-chlorobiphenyl
CADION	1-(p-Nitrophenyl)-3-[p-(phenylazo)phenyl]triazene	4-[(p-Nitrophenyl)diazoamino]azobenzene
CADION 2 B	1-(4-Nitro-1-naphthyl)-3-[p-(phenylazo)phenyl]triazene	
CALCEIN	2',7'-Bis[[bis(carboxymethyl)amino]methyl]fluorescein	[(3',6'-Dihydroxy-2',7'-fluorandiyl)bis(methylene nitrilo)tetraacetic acid; Fluorexon

(5) Appears to be the same as Tantalol

(6) Appears to be the same as Dibromoxine

<u>TRIVIAL NAME</u>	<u>CHEMICAL NAME</u>	<u>SYNONYMS</u>
CALCEIN BLUE	[[(7-Hydroxy-4-methyl-2-oxo-2H-1-benzopyran-8-yl)methyl]imino]diacetic acid	8-[[Bis(carboxymethyl)amino]methyl]-7-hydroxy-4-methylcoumarin
CALCICHROME	5-[(1,8-Dihydroxy-3,6-disulfo-2-naphthyl)azo]-4-hydroxy-3-[(8-hydroxy-3,6-disulfo-1-naphthyl)azo]-2,7-naphthalenedisulfonic acid, hexasodium salt	Calcion
CALCION See Calcichrome	5-[(1,8-Dihydroxy-3,6-disulfo-2-naphthyl)azo]-4-hydroxy-3-[(8-hydroxy-3,6-disulfo-1-naphthyl)azo]-2,7-naphthalenedisulfonic acid, hexasodium salt	
CALCON	3-Hydroxy-4-[(2-hydroxy-1-naphthyl)azo]-1-naphthalenesulfonic acid, monosodium salt	1-(2-Hydroxy-1-naphthylazo)-2-naphthol-4-sulfonic acid, monosodium salt; C.I. Mordant Black 17; Solochrome Dark Blue
CALMAGITE	3-Hydroxy-4-[(6-hydroxy-m-tolyl)azo]-1-naphthalenesulfonic acid	1-(2-Hydroxy-5-methylphenylazo)-2-hydroxynaphthalene-4-sulfonic acid
CAL-RED (7)	3-Hydroxy-4-[(2-hydroxy-4-sulfo-1-naphthyl)azo]-2-naphthoic acid	1-(2-Hydroxy-3-carboxy-1-naphthylazo)-2-hydroxy-4-naphthalenesulfonic acid
CARBAZOLE	Carbazole	Dibenzopyrrole; Diphenylenimine
<u>o</u> -CARBAZOXINE	<u>o</u> -[(8-Hydroxy-5-quinolyl)azo]benzoic acid	5-[(2-Carboxyphenyl)azo]-8-hydroxyquinoline
CARBOXYARSENAZO	<u>o</u> -[[7-[(<u>o</u> -Arsenophenyl)azo]-1,8-dihydroxy-3,6-disulfo-2-naphthyl]azo]benzoic acid	3-[[<u>o</u> -Arsonophenyl)azo]-6-[[<u>o</u> -carboxyphenyl)azo]-4,5-dihydroxy-2,7-naphthalenedisulfonic acid
CATECHOL (8) See Pyrocatechol	Pyrocatechol	<u>o</u> -Benzenediol; <u>o</u> -Dihydroxybenzene
CATECHOL VIOLET	4,4'-(3H-2,1-Benzoxathiol-3-ylidene)dipyrocatechol, <u>S,S</u> -dioxide	Catecholsulfonephthalein; Pyrocatechol violet

(7) Appears to be the same as HHSNN

(8) Can also refer to Catechin: 3,3',4',5,7-Flavanpentol (C₁₅H₁₄O₆)

<u>TRIVIAL NAME</u>	<u>CHEMICAL NAME</u>	<u>SYNONYMS</u>
CDTA See DCTA	(1,2-Cyclohexylenedinitrilo)C tetraacetic acid	
CELLOSOLVE	2-Ethoxyethanol	
CETRIMIDE	Hexadecyltrimethylammonium bromide	Cetyltrimethylammonium bromide
CHAPDNS (9)	4-[(4,5-Dihydroxy-2,7- disulfo-1-naphthyl)azo]-2,2'- stilbenedisulfonic acid	
CHELATON II See EDTA	(Ethylenedinitrilo)tetraC acetic acid	
CHELATON III See EDTA, disodium salt	(Ethylenedinitrilo)tetraC acetic acid, disodium salt	
CHELIDAMIC ACID	1,4-Dihydro-4-oxo-2,6- pyridinedicarboxylic acid; 4-Hydroxy-2,6- pyridinedicarboxylic acid	
CHELIDONIC ACID	4-Oxo-4H-pyran-2,6- dicarboxylic acid	
CHENTA REAGENT See DCTA	(1,2-Cyclohexylenedinitrilo)C tetraacetic acid	
CHLORAL	Trichloroacetaldehyde	
CHLORAMINE T	N-Chloro-p- toluenesulfonamide, sodium salt	Activin; Aktivin; Chlorazene; Chlorazone
CHLORANILIC ACID	2,5-Dichloro-3,6-dihydroxy- p-benzoquinone	
CHLORAZENE See Chloramine T	N-Chloro-p-toluenesulfonamide, sodium salt	
CHLORAZONE See Chloramine T	N-Chloro-p-toluenesulfonamide, sodium salt	
CHLOROXINE	5,7-Dichloro-8-quinolinol	5,7-Dichloro-8- hydroxyquinoline
CHOLINE	Choline hydroxide; (2- Hydroxyethyl)trimethylammonium hydroxide	Amanitine; Bilineurine; Bursine; Fagine; Gossypine (10); Luridine; Sincaline; Vidine
CHOLINE CHLORIDE	Choline chloride; (2- Hydroxyethyl)trimethylammonium chloride	
CHPADNS See CHAPDNS	4-[(1,8-Dihydroxy-3,6-disulfo- 2-naphthyl)azo]salicylic acid	

(9) This could not be verified. The trivial name CHAPDNS or CHPADNS has also been given to 4-[(1,8-Dihydroxy-3,6-disulfo-2-naphthyl)azo]salicylic acid.

(10) Gossypin has been used to mean 3,3',4',5,7,8-hexahydroxyflavone-8-β-D-glucopyranoside

<u>TRIVIAL NAME</u>	<u>CHEMICAL NAME</u>	<u>SYNONYMS</u>
CHROMOGENE BLACK See Solochrome black	3-Hydroxy-4-[(1-hydroxy-2-naphthyl)azo]-7-nitro-1-naphthalenesulfonic acid, monosodium salt	
CHROMOTROPE 2B	4,5-Dihydroxy-3-[(p-nitrophenyl)azo]-2,7-naphthalenedisulfonic acid, disodium salt	C.I. Acid Red 176, disodium salt
CHROMOTROPIC ACID	4,5-Dihydroxy-2,7-naphthalenedisulfonic acid	
CHRYSIN	5,7-Dihydroxyflavone	
CINCHOPHEN	2-Phenylcinchoninic acid	2-Phenyl-4-quinolinecarboxylic acid
CITARIN (11)	5-Oxo-1,3-dioxolane-4,4-diacetic acid, disodium salt	Anhydromethylenecitronic acid, disodium salt; 2-(Hydroxymethoxy)-1,2,3-propanetricarboxylic acid, γ -lactone, disodium salt
CITARIN (12)	($\pm$)-17-Methylmorphinan-3-ol, hydrobromide	
CITARIN (13)	($\pm$)-2,3,5,6-Tetrahydro-6-phenylimidazo[2,1-b]thiazole, monohydrochloride	Tetramisole monohydrochloride
CLAYTON YELLOW See Titan Yellow	2,2'-[(Diazoamino)di-p-phenylene]bis[6-methyl-7-benzothiazolesulfonic acid], disodium salt	
<u>s</u> - COLLIDINE	2,4,6-Trimethylpyridine	
COMPLEXONE I (14) See NTA	Nitrilotriacetic acid	
COMPLEXONE II (14) See EDTA	(Ethylenedinitrilo)tetraacetic acid	
COMPLEXONE III (14) See EDTA, disodium salt	(Ethylenedinitrilo)tetraacetic acid, disodium salt	
COMPLEXONE IV (14) See DCTA	(1,2-Cyclohexylenedinitrilo) $\odot$ tetraacetic acid	
CORAMINE (the pharmaceutical) (15)	<u>N,N</u> -Diethylnicotinamide	Pyridine- β -carboxylic acid diethylamide; Nikethamide

- (11) Citarin "old form" (Negwer)
 (12) Citarin "new form" (Negwer)
 (13) (Merck).
 (14) Also spelt Complexon
 (15) There is also an alkaloid named Coramine

TRIVIAL NAME	CHEMICAL NAME	SYNONYMS
o-CRESOLPHTHALEIN COMPLEXONE See Metalphthalein	3',3''-Bis[[bis(carboxy $\bigcirc$ methyl)amino]methyl]-5',5''-dimethylphenolphthalein	Phthalein purple; Phthalein complexan
CRYOGENINE (16) (Pharmaceutical)	1-Phenylsemicarbazide	Kryogenin; Phenicarbazide
CUMIDINE	Cumidine	p-Isopropylaniline
CUPFERRON	N-Nitroso-N-phenylhydroxylamine, ammonium salt	
CUPRIZONE	Oxalic acid, bis(cyclohexyl $\bigcirc$ idenehydrazide)	Cyclohexanone oxalyldihydrazone
CUPROINE	2,2'-Biquinoline	2,2'-Diquinolyl; Cuproin
CUPRON	(E)-Benzoin oxime	α -Benzoin oxime; Benzoin <u>anti</u> -oxime
CYSTAMINE (urinary antiseptic) See Hexamine	Hexamethylenetetramine	
CYSTAMIN (antidiabetic)	2,2'-Dithiobis[ethylamine]	
CYSTEINE	Cysteine	2-Amino-3-mercaptopropionic acid; 3-Mercaptoalanine
CYSTOGEN See Hexamine	Hexamethylenetetramine	
DAHL ACID (DAHL'S ACID)	6-Amino-1-naphthalenesulfonic acid	2-Naphthylamine-5-sulfonic acid
DALZIN	1,6-Diallyl-2,5-dithiobiurea	N,N'Bis(allylthiocarba $\bigcirc$ moyl)hydrazine
DATISCETIN	2',3,5,7-Tetrahydroxyflavone	3,5,7,2'-Tetrahydroxy $\bigcirc$ flavone
DATISCIN	2',3,5,7-Tetrahydroxyflavone, 3-rutinoside	Datiscoside (17)
DAXIN	6-Imino-1,3-dimethyliso $\bigcirc$ barbituric acid, 5-oxime	4-Imino-1,3-dimethylalloxan, 5-oxime
DCTA	(1,2-Cyclohexylenedinitrilo) $\bigcirc$ tetraacetic acid	1,2-Diaminocyclohexane- N,N,N',N'-tetraacetic acid; CDTA; Chenta reagent; DCyTA; Titriplex IV
DCyTA See DCTA	(1,2-Cyclohexylenedinitrilo) $\bigcirc$ tetracetic acid	

(16) There is also an alkaloid named Cryogenine

(17) Datiscoside has also been used to mean (23E)-16 α -[(2-O-acetyl-6-deoxy- α -L-ribo-hexopyranos-3-ulos-1-yl)oxy]-2 β ,20,25-trihydroxy-9-methyl-19-nor-9 β ,10 α -lanosta-5,23-diene-3,11,22-trione

<u>TRIVIAL NAME</u>	<u>CHEMICAL NAME</u>	<u>SYNONYMS</u>
D2EHPA See HDEHP	Bis(2-ethylhexyl) hydrogen phosphate	Di(2-ethylhexyl)phosphoric acid
den	Diethylenetriamine	
4,4'-DI-o-ANISIDINE	3,3'-Dimethoxybenzidine	
DIANTIPYRYLMETHANE	4,4'-Methylenedianitpyrine	Bis(1-phenyl-2,3-dimethyl-5-oxo-3-pyrazolin-4-yl)methane
DIBROMOXINE See Bromoxine	5,7-Dibromo-8-quinolinol	5,7-Dibromo-8-hydroxyquinoline; Bromoxine
DIETHYLENEDIAMINE See Piperazine	Piperazine	
DIGLYME	Bis(2-methoxyethyl) ether	
DIHEXYL A (18)	N,N'-Bis(2,4-dinitrophenyl)-2,4,6-trinitro-m-phenylenediamine	
DIHEXYL B (18)	4,6-Dinitro-N,N'-dipicryl-m-phenylenediamine	4,6-Dinitro-1,3-bis(2,4,6-trinitroanilino)benzene
DILITURIC ACID	5-Nitrobarbituric acid	
DIMEDONE	5,5-Dimethyl-1,3-cyclohexanedione	
DIMETHYLSULFONAZO III See Methylsulfonazo III	4,5-Dihydroxy-3,6-bis[(2-sulfo-p-tolyl)azo]-2,7-naphthalenedisulfonic acid, tetrasodium salt	
DINAPHTHIZONE	(2-Naphthylazo)thioformic acid 2-(2-naphthyl)hydrazide	Di-2-naphthylthiocarbazone; 1,5-Di-2-naphthyl-3-formazanethiol
4,5-DINITROCHRYSAZIN	1,8-Dihydroxy-4,5-dinitroanthraquinone	
DIPICRYLAMINE	2,2',4,4',6,6'-Hexanitrodiphenylamine	cf. Aurantia
dipy See bipy	2,2'-Bipyridine	
DI-SNADNS	4,5-Dihydroxy-3,6-bis[(4-sulfo-1-naphthyl)azo]-2,7-naphthalenedisulfonic acid	3,6-Bis(4-sulfo-1-naphthylazo)chromotropic acid
DISPERMINE See Piperazine	Piperazine	
DITHIOL	Toluene-3,4-dithiol	4-Methyl-1,2-benzenedithiol

(18) These trivial names are misleading. They correspond to those in Nippon Kagaku Zasshi 86(8), 865-866 (1965).

<u>TRIVIAL NAME</u>	<u>CHEMICAL NAME</u>	<u>SYNONYMS</u>
DITHIZONE	(Phenylazo)thioformic acid 2-phenylhydrazide	1,5-Diphenyl-3- formazanethiol
DMCH (19)	5,5-Dimethyl-1,3- cyclohexanedione	
DMG	2,3-Butanedione, dioxime	Dimethylglyoxime
DNI	1,2-Dimethyl-5- nitroimidazole	
DPPH (20)	1,1-Diphenyl-2- picrylhydrazine	
dpt	Dipropyleneetriamine	
DPTA	N,N-Bis[2-[bis(carboxymethyl)○ amino]ethyl]glycine	Diethylenetriamine○ pentaacetic acid; [[[(Carboxymethyl)imino]○ bis(ethylenenitrilo)]○ tetraacetic acid; Pentetic acid
DSNADNS (21) See Beryllon II	4,5,5'-Trihydroxy-3,4'-azodi- 2,7-naphthalenedisulfonic acid	
EDETIC ACID See EDTA	(Ethylenedinitrilo)tetraacetic acid	
EDTA (22)	(Ethylenedinitrilo)tetraacetic acid	Ethylenediaminetetraacetic acid; (Diaminoethane)○ tetraacetic acid; Chelaton II; Complexone II; Edetic acid; ENTA; Sequestrene (AA); Sequestric acid; Sequestrol; Titriplex II, Versene
EDTA (disodium salt)	(Ethylenedinitrilo)tetraacetic acid, disodium salt	Chelaton III; Complexone III; Sequestrene Na ₂ ; Sequestrol Na ₂ ; Titriplex III; Trilon B (23)
EDTP	3,3',3'',3'''-(Ethylenedi○ nitrilo)tetraropionic acid	Ethylenediamine-N,N,N',N'- tetraropionic acid
EGTA	[Ethylenebis(oxyethylene○ nitrilo)]tetraacetic acid	Ethylene glycol bis(β- aminoethyl ether)-N,N,N',N'- tetraacetic acid

- (19) Appears to be the same as Dimedone.
- (20) DPPH has also been used to mean 2,2-diphenyl-1-picrylhydrazyl.
- (21) The identity of DSNADNS with Beryllon II has not been unambiguously confirmed.
- (22) EDTA has been used indiscriminately in the literature to represent the free acid, its (hydrated) disodium salt and its anion.
- (23) Trilon B has also been used to mean the tetrasodium salt.

TRIVIAL NAME	CHEMICAL NAME	SYNONYMS
EIKONOGEN	5-Amino-6-hydroxy-2-naphthalenesulfonic acid, sodium salt	1-Amino-2-hydroxy- $\bigcirc$ naphthalene-6-sulfonic acid, sodium salt; Eiconogen
EMDITE	4,4'-Methylenebis[N,N-dimethylaniline]	Di(4-dimethylamino $\bigcirc$ phenyl)methane
En, en	1,2-Ethanediamine; Ethylenediamine	1,2-Diaminoethane
ENTA See EDTA	(Ethylenedinitrilo)tetraacetic acid	
EOSIN	2',4',5',7'-Tetrabromofluorescein	
ERIO T	3-Hydroxy-4-[(1-hydroxy-2-naphthyl)azo]-7-nitro-1-naphthalenesulfonic acid, monosodium salt	Eriochrome Black T; Solochrome Black; C.I. Mordant Black 11, monosodium salt
ERIOCHROME BLACK T See Erio T	3-Hydroxy-4-[(1-hydroxy-2-naphthyl)azo]-7-nitro-1-naphthalenesulfonic acid, monosodium salt	
ERIOCHROME BLUE BLACK B	3-Hydroxy-4-[(1-hydroxy-2-naphthyl)azo]-1-naphthalenesulfonic acid, monosodium salt	Erio B; C.I. Mordant Black 3, monosodium salt
ERIOCHROME CYANINE R	5-[α -(3-Carboxy-5-methyl-4-oxo-2,5-cyclohexadien-1-ylidene)-o-sulfobenzyl]-3-methylsalicylic acid, trisodium salt	C.I. Mordant Blue 3, trisodium salt
ERIOCHROME RED B	3-Hydroxy-4-[(3-methyl-5-oxo-1-phenyl-2-pyrazolin-4-yl)azo]-1-naphthalenesulfonic acid, monosodium salt	C.I. Mordant Red 7, monosodium salt
ESCULETIN	6,7-Dihydroxycoumarin	Aesculetin
ETHENTA	[Oxybis(ethylenenitrilo)] $\bigcirc$ tetraacetic acid	Di(2-aminoethyl)ether-N,N,N',N'-tetraacetic acid
ETHYLMETHYL PICRATE	5-Ethyl-2,4,6-trinitro-m-cresol, sodium salt	3-Ethyl-5-methyl-2,4,6-trinitrophenol, sodium salt
FAGINE See Choline	(2-Hydroxyethyl)trimethyl $\bigcirc$ ammonium hydroxide; Choline hydroxide	
FERRICON	3-Hydroxy-2,7-naphthalenedi-sulfonic acid, disodium salt	R-salt
FERROCYPHEN	Dicyanobis(1,10-phenanthroline)iron	Ferrous dicyano-bis-1,10-phenanthroline
FERROCYPY	Bis(2,2'-bipyridine)dicyano $\bigcirc$ iron	Ferrous dicyano-bis 2,2'-dipyridyl
FERROIN	Tris(1,10-phenanthroline) $\bigcirc$ iron(2+) ion	Ferrous tris(1,10-phenanthroline) complex

TRIVIAL NAME	CHEMICAL NAME	SYNONYMS
FERRON	8-Hydroxy-7-iodo-5-quinolinesulfonic acid	Loretin
FLAVAZINE L	p-[3-Methyl-5-oxo-4-(phenylazo)-2-pyrazolin-1-yl]benzenesulfonic acid, sodium salt	p-(5-Hydroxy-3-methyl-4-(phenylazo)pyrazol-1-yl)benzenesulfonic acid, sodium salt; 5-Hydroxy-3-methyl-4-(phenylazo)-1-(p-sulfophenyl)pyrazole, sodium salt; C.I. Acid Yellow 11, sodium salt
FLAVIANIC ACID	8-Hydroxy-5,7-dinitro-2-naphthalenesulfonic acid	
FLAVIN See Quercetin	3,3',4',5,7-Pentahydroxyflavone	
FLUORESCIN COMPLEXONE See Calcein	2',7'-Bis[[bis(carboxy $\bigcirc$ methyl)amino]methyl] $\bigcirc$ fluorescein	Calcein; Fluorexon
FLUOREXON See Calcein	2',7'-Bis[[bis(carboxy $\bigcirc$ methyl)amino]methyl] $\bigcirc$ fluorescein	
FORMOL	Formaldehyde; Methanal	Formalin
G ACID	7-Hydroxy-1,3-naphthalenedisulfonic acid	2-Naphthol-6,8-disulfonic acid
GALANGIN	3,5,7-Trihydroxyflavone	
GALLEIN	3',4',5',6'-Tetrahydroxy $\bigcirc$ fluoran	C.I. Mordant Violet 25
GALLIC ACID	Gallic acid	3,4,5-Trihydroxybenzoic acid
GALLION	5-Amino-3-[(3-chloro-2-hydroxy-5-nitrophenyl)azo]-4-hydroxy-2,7-naphthalenedisulfonic acid	2-(3'-Chloro-2'-hydroxy-5'-nitrophenylazo)-8-amino-1-hydroxynaphthalene-3,6-disulfonic acid
GLYCINE	Glycine	Aminoacetic acid; Glycocoll
GLYCINETHYMOL BLUE	N,N-[3H-2,1-Benzoxathiol-3-ylidenebis[(6-hydroxy-5-isopropyl-2-methyl-m-phenylene)methylene]]di $\bigcirc$ glycine, S,S-dioxide	
GLYCOCOLL See Glycine	Glycine	
GLYOXAL BIS(2-HYDROXYANIL)	2,2'-(Ethanediylidenedi $\bigcirc$ nitrilo)diphenol	Di(2-hydroxyphenyl $\bigcirc$ imino)ethane

<u>TRIVIAL NAME</u>	<u>CHEMICAL NAME</u>	<u>SYNONYMS</u>
GLYOXALINE	Imidazole	Imidazole
GOSSYPINE (10) See Choline	(2-Hydroxyethyl)tri- methylammonium hydroxide; Choline hydroxide	
GUAIACOL	<u>o</u> -Methoxyphenol	<u>o</u> -Methylpyrocatechol; Methylcatechol
HBT	2-Hydrazinobenzothiazole	
HDEHP	Bis(2-ethylhexyl) hydrogen phosphate	Di(2-ethylhexyl)⊖ phosphoric acid; D2EHPA
H ₂ DDPA	2,6,8-Trimethyl-4- nonanyl dihydrogen phosphate	1-Isobutyl-3,5- dimethylhexylphosphoric acid; DDPA
HEPTOXIME	1,2-Cycloheptanedione dioxime	Cyclo-1,2- heptanedione dioxime
HEXAMETHYLENAMINE See Hexamine	Hexamethylenetetramine	
HEXAMETHYLENETETRAMINE See Hexamine	Hexamethylenetetramine	
HEXAMINE (24)	Hexamethylenetetramine	Aminoform; Cystamin; Cystogen; Hexamethylenamine; Methenamine; Urotropin
HEXONE	4-Methyl-2-pentanone	Isobutyl methyl ketone IBMK
α-HEXYL	2,4-Dinitro-N-picryl- 1-naphthylamine	2,4-Dinitro-N-2,4,6- trinitrophenyl-1- naphthylamine
HHSNN (HHSNNA) (25)	3-Hydroxy-4-[(2-hydroxy- 4-sulfo-1-naphthyl)azo]- 2-naphthoic acid	2-Hydroxy-1-(2- hydroxy-4-sulfo-1- naphthylazo)-3- naphthoic acid
HSN See HHSNN	3-Hydroxy-4-[(2-hydroxy- 4-sulfo-1-naphthyl)azo]- 2-naphthoic acid	
HTTA (49) See TTA	4,4,4-Trifluoro-1-(2- thienyl)-1,3- butanedione	

(24) Hexamine has also been used to refer to dipicrylamine.

(25) Appears to be the same as CAL-RED.

<u>TRIVIAL NAME</u>	<u>CHEMICAL NAME</u>	<u>SYNONYMS</u>
HYDROQUINONE See Quinol	Hydroquinone	p-Benzenediol
HYDROXYNAPHTHOL BLUE	3-Hydroxy-4-[(2-hydroxy-4-sulfo-1-naphthyl)azo]-2,7-naphthalenedisulfonic acid, trisodium salt	2-Hydroxy-1-(2-hydroxy-4-sulfo-1-naphthylazo)naphthalene-3,6-disulfonic acid, trisodium salt
8-HYDROXYQUINALDINE	2-Methyl-8-quinolinol	2-Methyl-8-hydroxyquinoline
ibn	2-Methyl-1,2-propanediamine	Isobutyldiamine
IDA	Iminodiacetic acid	
IMIDOLE See Azone	Pyrrole	
INDOLE	Indole	1H-Benzo[b]pyrrole
INDOXINE	5-[(8-Hydroxy-5-quinolyl)imino]-8(5H)-quinolone	
IODISAN	[2-Hydroxytrimethylene]○ bis[trimethylammonium] diiodide	Hexamethyldiamino○ isopropanol diiodide
ISATIN	Indole-2,3-dione	Isatinic acid anhydride
ISONAPHTHAZARIN	2,3-Dihydroxy-1,4-naphthoquinone	
J ACID	7-Amino-4-hydroxy-2-naphthalenesulfonic acid	
K ACID	4-Amino-5-hydroxy-1,7-naphthalenesulfonic acid	1-Amino-8-hydroxy○ naphthalene-4,6-disulfonic acid
KALIGNOST	Sodium tetraphenylborate(1-)	Sodium tetraphenylboron
KARIN A	1-Ethyl-1,2,3,4-tetrahydro-8-quinolinol, hydrochloride	N-Ethyl-8-hydroxy-1,2,3,4-tetrahydroquinoline, hydrochloride
KOJIC ACID	5-Hydroxy-2-(hydroxymethyl)-4H-pyran-4-one	5-Hydroxy-2-hydroxymethyl-γ-pyrone
KRYOGENIN See Cryogenine	1-Phenylsemicarbazide	
LAUTH'S VIOLET See Thionine	3,7-Diaminophenothiazin-5-ium chloride	7-Amino-3-imino-3H-phenothiazine, monohydrochloride

<u>TRIVIAL NAME</u>	<u>CHEMICAL NAME</u>	<u>SYNONYMS</u>
LEUCOLINE (26)	Isoquinoline	
LOPHINE	2,4,5-Triphenylimidazole	
LORETIN See Ferron	8-Hydroxy-7-iodo-5-quinolinesulfonic acid	
LUCIGENIN	10,10'-Dimethyl-9,9'-biacridinium dinitrate	
LUMINOL	5-Amino-2,3-dihydro-1,4-phthalazinedione	2-Aminophthaloyl cyclic hydrazide
LUMOGALLION	5-Chloro-3-[(2,4-dihydroxyphenyl)azo]-2-hydroxybenzenesulfonic acid	4-[(2-Hydroxy-3-sulfo-5-chlorophenyl)azo]resorcinol
LUMOMAGNESON	5-Chloro-3-[(hexahydro-2,4,6-trioxo-5-pyrimidinyl)azo]-2-hydroxybenzenesulfonic acid	5-(2-Hydroxy-3-sulfo-5-chlorophenylazo)barbituric acid
LURIDINE See Choline	(2-Hydroxyethyl)trimethylammonium hydroxide; Choline hydroxide	
MAGNESON IREA	5-Chloro-2-hydroxy-3-[(2-hydroxy-1-naphthyl)azo]benzenesulfonic acid	
MAGNESON I	4-[(p-Nitrophenyl)azo]resorcinol	(p-Nitrobenzene)azoresorcinol; Azo Violet
MAGNESON II	4-[(p-Nitrophenyl)azo]-1-naphthol	(p-Nitrobenzene)azo- α -naphthol
MAGON I	3-Hydroxy-4-[(o-hydroxyphenyl)azo]-2-naphtho-2',4'-xylidide	2-Hydroxy-1-[(o-hydroxyphenylazo)]-3-(2,4-xylylcarbamoyl)naphthalene
MALTOL	3-Hydroxy-2-methyl-4H-pyran-4-one	
MARTIUS YELLOW	2,4-Dinitro-1-naphthol	
MBTH	3-Methyl-2-benzothiazolinone, hydrazone	
MBTHA	Thio-p-anisohydroxamic acid	4-Methoxybenzothiohydroxamic acid
MELETIN See Quercetin	3,3',4',5,7-Pentahydroxyflavone	
MELONIC ACID	3-Hydroxy-4-oxo-4H-pyran-2,6-dicarboxylic acid	3-Hydroxy-4-keto-4H-pyran-2,6-dicarboxylic acid

(26) Apparently has been used to mean both isoquinoline and quinoline

TRIVIAL NAME	CHEMICAL NAME	SYNONYM
METALPHTHALEIN	3',3''-Bis[[bis(carboxy○methyl)amino]methyl]-5',5''-dimethylphenolphthalein	5',5''-Bis[[bis(carboxy○methyl)amino]methyl]-o-cresolphthalein; o-Cresolphthalein-5',5''-Bis[(methylimino)diacetic acid; o-Cresolphthalein complexone; Phthalein purple; Phthalein complexan
METHANE BASE See Arnold's base	4,4'-Methylenebis[N,N-dimethylaniline]	
METHENAMINE See Hexamine	Hexamethylenetetramine	
METHYLENE BASE See Arnold's base	4,4'-Methylenebis[N,N-dimethylaniline]	
5-METHYLFERROIN (27)	Tris(5-methyl-1,10-phenanthroline)iron(2+) diperchlorate	Tris(5-methyl-1,10-phenanthroline)ferrous perchlorate
METHYLFLUORONE	2,6,7-Trihydroxy-9-methyl-3H-xanthen-3-one	2,3,7-Trihydroxy-9-methyl-6-fluorone; 2,3,7-Trihydroxy-9-methylxanthen-6-one
METHYLNAPHTHYL ORANGE	[[[1-Hydroxy-4-[(p-sulfo-phenyl)azo]-2-naphthyl]methyl]imino]○ diacetic acid	4-[3-Bis(carboxymethyl)○aminomethyl-4-hydroxy-1-naphthylazo]benzene○ sulfonic acid
METHYLSULFONAZO III	4,5-Dihydroxy-3,6-bis[(2-sulfo-p-tolyl)azo]-2,7-naphthalenedisulfonic acid, tetrasodium salt	2,7-Bis(4'-methyl-2'-sulfo-phenylazo)-1,8-dihydroxynaphthalene-3,6-disulfonic acid, tetrasodium salt; Dimethylsulfonazo III
METHYLTHYMOL BLUE	[3H-2,1-Benzoxathiol-3-ylidenebis[(6-hydroxy-5-isopropyl-2-methyl-m-phenylene)methylenenitrilo]]○ tetraacetic acid S,S-dioxide, tetrasodium salt	3',3''-Bis[[biscarboxy○methyl)amino]methyl]○ thymolsulfonephthalein; Methylthymol blue complexone; Thymolsulfonephthalein-3',3''-bis(methylene○imino)diacetic acid
MICHLER'S KETONE	4,4'-Bis(dimethylamino)○ benzophenone	
MONALZIN	1-Allyl-2,5-dithiobiurea	N-Allylthiocarbamoyl-N'-thiocarbamoylhydrazine
MORIN	2',3,4',5,7-Pentahydroxy○ flavone	3,5,7,2',4'-Pentahydroxy○ flavone

(27) Many other methyl derivatives of 1,10-phenanthroline have been recommended as redox indicators. To avoid ambiguity the position of the substituent should be indicated in the trivial name of the ferrous complex.

<u>TRIVIAL NAME</u>	<u>CHEMICAL NAME</u>	<u>SYNONYMS</u>
MORPHOLINE	Morpholine	Diethyleneimide oxide; Tetrahydro-2H-1,4-oxazine
MUREXIDE	5,5'-Nitrilodibarbituric acid, monoammonium salt	Ammonium purpurate
NAPHTHARSON See Thorin	4-[(o-Arsonophenyl)azo]-3-hydroxy-2,7-naphthalenedisulfonic acid, 2,7-disodium salt	
NAPHTHAZARIN	5,8-Dihydroxy-1,4-naphthoquinone	5,8-Dihydroxy- α -naphthoquinone
NAPHTHIONIC ACID	4-Amino-1-naphthalenesulfonic acid	Piria's acid
NAPHTHOL VIOLET	[[[1-Hydroxy-4-[(p-nitrophenyl)azo]-2-naphthyl]methyl]imino]diacetic acid	4-(4-Nitrophenylazo)-2-[N,N-di(carboxymethyl)aminomethyl]-1-naphthol
NAPHTHYLAZOXINE	8-Hydroxy-7-(1-naphthylazo)-5-quinolinesulfonic acid	
NAS See SNAZOXS	8-Hydroxy-7-[(4-sulfo-1-naphthyl)azo]-5-quinolinesulfonic acid	
NEOCUPFERRON	N-1-Naphthyl-N-nitrosohydroxylamine, ammonium salt	Ammonium α -naphthylnitrosohydroxylamine
NEOCUPROINE	2,9-Dimethyl-1,10-phenanthroline	
NEOTETRAZOLIUM CHLORIDE	3,3'-(4,4'-Biphenyllylene)bis[2,5-diphenyl-2H-tetrazolium]dichloride	3,3'-(4,4'-Biphenyllylene)bis[2,5-diphenyl-2H-tetrazolium chloride]
NEOTHORIN See Arsenazo I	3-[(o-Arsonophenyl)azo]-4,5-dihydroxy-2,7-naphthalenedisulfonic acid	Uranon
NICON	1,2,3-Cyclohexanetrione trioxime	
NIKETHAMIDE See Coramine	N,N-Diethylnicotinamide	
NIOXIME	1,2-Cyclohexanedione, dioxime	
NITA See NTA	Nitrilotriacetic acid	
NITRAMINE (the explosive) (28)	N-Methyl-N,2,4,6-tetranitroaniline	(2,4,6-Trinitrophenyl)methylnitramide; Pyrenite; Tetryl; Methylpicrylnitramide

(28) Nitramine is also used to designate nitramide.

<u>TRIVIAL NAME</u>	<u>CHEMICAL NAME</u>	<u>SYNONYMS</u>
NITRANILIC ACID	2,5-Dihydroxy-3,6-dinitro-p-benzoquinone	
NITRIN(E) (29)	Anthranilaldehyde, phenylhydrazone	o-Aminobenzaldehyde, phenylhydrazone
NITRITON B	2'-Aminobenzenesulfonanilide	o-Benzenesulfonamidoaniline
NITROCHROMEAZO See Nitrosulfonazo III	4,5-Dihydroxy-3,6-bis[(4-nitro-2-sulfophenyl)azo]-2,7-naphthalenedisulfonic acid, (or sodium salt)	
5-NITROFERROIN (30)	Tris(5-nitro-1,10-phenanthroline)iron(2+) sulfate	Tris(5-nitro-1,10-phenanthroline)ferrous sulfate
NITRON (bicyclic compound)	3,5,6-Triphenyl-2,3,5,6-tetraazabicyclo[2.1.1]hex-1-ene	4,5-Dihydro-1,4-diphenyl-3,5-phenylimino-1,2,4-triazole; 1,4-Diphenyl-3,5-endanilo-4,5-dihydro-1,2,4-triazole
NITROQUINETOL	6-Ethoxy-5-nitroquinoline	
NITROSO-R-SALT	3-Hydroxy-4-nitroso-2,7-naphthalenedisulfonic acid, disodium salt	Disodium 1-nitroso-2-naphthol-3,6-disulfonate
NITROSO-SNADNS	4,5-Dihydroxy-3-nitroso-6-[(4-sulfo-1-naphthyl)azo]-2,7-naphthalenedisulfonic acid	
NITROSULFONAZO III	4,5-Dihydroxy-3,6-bis[(4-nitro-2-sulfophenyl)azo]-2,7-naphthalenedisulfonic acid	2,7-Bis[(4'-nitro-2'-sulfophenyl)azo]-1,8-dihydroxynaphthalene-3,6-disulfonic acid, sodium salt
NORWOGONIN	5,7,8-Trihydroxyflavone	
NTA	Nitrilotriacetic acid	Complexone I; NITA; Trilo; Trilon A (31); Titriplex I
ORCINOL	5-Methylresorcinol	3,5-Dihydroxytoluene; 5-Methyl-1,3-benzenediol
ORTHANILIC B	4,5-Dihydroxy-3-(phenylazo)-6-[(o-sulfophenyl)azo]-2,7-naphthalenedisulfonic acid	

(29) Nitrin has also been used to mean an N₂O₄ based coolant for reactors.

(30) Also supplied as the diperchlorate salt.

(31) Trilon A is the trisodium salt.

TRIVIAL NAME	CHEMICAL NAME	SYNONYMS
OXINE	8-Quinolinol	8-Hydroxyquinoline
PACA	4,5-Dihydroxy-3-(2-pyridylazo)-2,7-naphthalenedisulfonic acid	3-(2-Pyridylazo)chromotropic acid; PACH
PADNS	6,7-Dihydroxy-5-(2-pyridylazo)-2-naphthalenesulfonic acid	1-(2-Pyridylazo)-2,3-dihydroxynaphthalene-6-sulfonic acid
PAHA	5-Amino-4-hydroxy-3-(2-pyridylazo)-2,7-naphthalenedisulfonic acid	2-(2-Pyridylazo)-1-hydroxy-8-aminonaphthalene-3,6-disulfonic acid
PAMAQUIN	8-[[4-(Diethylamino)-1-methylbutyl]amino-6-methoxyquinoline	Pamaquine
PAN	1-(2-Pyridylazo)-2-naphthol	2-Hydroxy-1-(2-pyridylazo)naphthalene
PAO	5-Methyl-4-(2-pyridylazo)○ resorcinol	
PAR	4-(2-Pyridylazo) resorcinol	
penten	4,7-Bis(2-aminoethyl)tri○ ethylenetetramine	N,N,N',N'-Tetra(2-aminoethyl)ethylenediamine
PENTETIC ACID See DPTA	N,N-Bis[2-[bis(carboxy○ methyl)amino]ethyl]glycine	
phen	1,10-Phenanthroline	phenan
PHENAZO	4,4'-[(3,3'-Dinitro-4,4'-biphenylene)bis(azo)○ diphenol	4,4'-Bis[(p-hydroxyphenyl)○ azo]-3,3'-dinitrobiphenyl
PHENAZONE See Antipyrine	Antipyrine	2,3-Dimethyl-1-phenyl-3-pyrazolin-5-one
PHENICARBAZIDE See Cryogenin	1-Phenylsemicarbazide	Kryogenin
PHENITRAZOLE	5-Nitrosamino-3-phenyl-1,2,4-thiadiazole	
PHENYLFLUORONE	2,6,7-Trihydroxy-9-phenyl-3H-xanthen-3-one	2,3,7-Trihydroxy-9-phenyl-6-fluorone
PHENYLGLYCINE	N-Phenylglycine	Anilinoacetic acid; (Phenylamino)acetic acid
PHENYL J ACID	7-Anilino-4-hydroxy-2-naphthalenesulfonic acid	
PHTHALEIN COMPLEXAN See Metalphthalein	3',3''-Bis[[bis(carboxymethyl)○ amino]methyl]-5',5''-dimethylphenolphthalein	
PHTHALEIN PURPLE See Metalphthalein	3',3''-Bis[[bis(carboxy○ methyl)amino]methyl]-5',5''-dimethylphenolphthalein	o-Cresolphthalein complexone; Phthalein complexan

TRIVIAL NAME	CHEMICAL NAME	SYNONYMS
α -PICOLINE	2-Picoline	2-Methylpyridine
β -PICOLINE	3-Picoline	3-Methylpyridine
γ -PICOLINE	4-Picoline	4-Methylpyridine
PICOLINIC ACID	Picolinic acid	2-Pyridinecarboxylic acid
PICRAMIC ACID	2-Amino-4,6-dinitrophenol	
PICRAMINIC R	3-Hydroxy-4-[(2-hydroxy-3,5-dinitrophenyl)azo]-2,7-naphthalenedisulfonic acid	1-[(2-Hydroxy-3,5-dinitrophenyl)azo]-2-hydroxynaphthalene-3,6-disulfonic acid
PICRIC ACID	Picric acid	2,4,6-Trinitrophenol
PICROLONIC ACID	Picrolonic acid	3-Methyl-4-nitro-1-(p-nitrophenyl)-2-pyrazolin-5-one; 3-Methyl-4-nitro-1-(p-nitrophenyl)pyrazol-5-ol
PINACYANOL	1-Ethyl-2-[3-(1-ethyl-2(1H)-quinolylidene)propenyl] $\odot$ quinolinium iodide	
PIPERAZIDE See Piperazine	Piperazine	
PIPERAZINE	Piperazine	Hexahydro-1,4-diazine; Hexahydropyrazine; Anthriticine; Diethylenediamine; Dispermine; Piperazidine
PIPERIDINE	Piperidine	Hexahydropyridine
PIRIA'S ACID See Naphthionic acid	4-Amino-1-naphthalenesulfonic acid	
PLASMOCHIN	8-[[4-(Diethylamino)-1-methylbutyl]amino]-6-methoxyquinoline	Pamquine
PLUMBON IREA See Sulfarsazen	p-[p-[3-(2-Arsono-4-nitrophenyl)-2-triazeno] $\odot$ phenyl]azo]benzenesulfonic acid, monosodium salt	
pn	1,2-Propanediamine	1,2-Diaminopropane; Propylenediamine
PONGAMOL	1-(4-Methoxy-5-benzofuranyl)-3-phenyl-1,3-propanedione	5-(Benzoylacetyl)-4-methoxybenzofuran
PPDT	5,6-Diphenyl-3-(4-phenyl-2-pyridyl)- <u>as</u> -triazine	3-(4-Phenyl-2-pyridyl)-5,6-diphenyl-1,2,4-triazine
PROPYLFLUORONE	2,6,7-Trihydroxy-9-propyl-3H-xanthen-3-one	2,6,7-Trihydroxy-9-propyl-3-fluorone

<u>TRIVIAL NAME</u>	<u>CHEMICAL NAME</u>	<u>SYNONYMS</u>
PURPURINSULFONATE	9,10-Dihydro-1,3,4-trihydroxy-9,10-dioxo-2-anthracenesulfonic acid, sodium salt	1,3,4-Trihydroxy-2-anthraquinonesulfonate, sodium salt
PYRAMIDON	4-(Dimethylamino)antipyrine	4-(Dimethylamino)-2,3-dimethyl-1-phenyl-3-pyrazolone; Amidopyrine; Aminopyrine
PYRENITE See Nitramine	N-Methyl-N,2,4,6-tetranitroaniline	
2,2'-PYRIDIL	Di-2-pyridylglyoxal	1,2-Dioxo-1,2-di(2-pyridyl)ethane
2,2'-PYRIDOIN	Hydroxy-2-pyridylmethyl 2-pyridyl ketone	1-Hydroxy-2-oxo-1,2-di(2-pyridyl)ethane
PYRITHYLDIONE	3,3-Diethyl-2,4(1H,3H)-pyridinedione	
PYROCATECHIN See Pyrocatechol	Pyrocatechol	
PYROCATECHOL	Pyrocatechol	o-Benzenediol; o-Dihydroxybenzene; Pyrocatechin
PYROCATECHOL VIOLET See Catechol Violet	4,4'-(3H-2,1-Benzoxathiol-3-ylidene)dipyrocatechol S,S-dioxide	
<u>o</u> -PYROCATECHUIC ACID	<u>o</u> -Pyrocatechuic acid	2,3-Dihydroxybenzoic acid
PYROGALLOL	Pyrogallol	1,2,3-Benzenetriol; 1,2,3-Trihydroxybenzene; Pyrogallic acid
PYROGALLOL RED	o-(4,5,6-Trihydroxy-3-oxo-3H-xanthen-9-yl)benzene sulfonic acid	Pyrogallolsulfone $\bigcirc$ phthalein
QUERCETIN	3,3',4',5,7-Pentahydroxy $\bigcirc$ flavone	Meletin; Sophoretin
QUINALDIC ACID	Quinaldic acid	2-Quinolinecarboxylic acid; Quinaldinic acid
QUINALDINE	Quinaldine	2-Methylquinoline
QUINALDINE RED	2-[p-(Dimethylamino)styryl]-1-ethylquinolinium iodide	α -[2-[(p-(Dimethylamino) $\bigcirc$ phenyl]vinyl]-N-ethylquinolinium iodide
QUINALDINIC ACID See Quinaldic acid	Quinaldic acid	2-Quinolinecarboxylic acid
QUINALIZARIN	1,2,5,8-Tetrahydroxyanthra $\bigcirc$ quinone	C.I. Mordant Violet 26
QUINAZOLINAZO	2-[o-[(4,5-Dimethylimidazol-2-yl)azo]phenyl]-4,5,7-trimethyl-8-quinazolinol	2-[[2-(4,5-Dimethyl $\bigcirc$ imidazol-2-yl)azo] $\bigcirc$ phenyl]-8-hydroxy-4,5,7-trimethylquinazoline

<u>TRIVIAL NAME</u>	<u>CHEMICAL NAME</u>	<u>SYNONYMS</u>
QUINISATIN OXIME	2,3,4(1H)-Quinolinetrione oxime	
QUINOL	4-Hydroxy-2,5-cyclohexadiene-1-one; Hydroquinone	1,4-Benzenediol; 1,4-Dihydroxybenzene
QUINOLIMIDE	2,3-Pyridinedicarboximide	
QUINOSOL	8-Quinololinol, sulfate (2:1)	
2 R ACID	3-Amino-5-hydroxy-2,7-naphthalenedisulfonic acid	
R-SALT See Ferricon	3-Hydroxy-2,7-naphthalenedisulfonic acid, disodium salt	
REDOXAL	N,N'-(3,3'-Dimethoxy-4,4'-Biphenylene)dianthranilic acid	3,3'-Dimethoxybenzidine-N,N'-di-o-benzoic acid
RESACETOPHENONE	2',4'-Dihydroxyacetophenone	
RESORCIN See Resorcinol	Resorcinol	
RESORCINOL	Resorcinol	m-Dihydroxybenzene; Resorcin; m-Benzenediol
RESORUFIN (32)	7-Hydroxy-3H-phenoxazin-3-one	9-Hydroxyisophenoxazone
RHODAMINE B	[9-(o-Carboxyphenyl)-6-(diethylamino)-3H-xanthen-3-ylidene]diethylammonium chloride	N,N,N',N'-Tetraethyl-3',6'-diaminofluoran, hydrochloride
RHODINAL (33)	3,7-Dimethyl-6-octenal	
RIVANOL (34)	Lactic acid compd. with 6,9-diamino-2-ethoxyactidine (1:1)	2,5-Diamino-7-ethoxyacridine
RODINAL (35)	p-Aminophenol	Ursol P
RONGALITE	Hydroxymethanesulfinic acid, monosodium salt	Sodium formaldehyde sulfoxylate
RUBEANIC ACID	Dithiooxamide	
RUHEMANN'S PURPLE	2-[(3-Hydroxy-1-oxoinden-2-yl)imino]-1,3-indandione	2-(1,3-Dioxoindan-2-ylimino)indan-1,3-dione

(32) Appears to be related to Thionol.

(33) See Rodinal.

(34) According to Chemical Abstracts Rivanol is the lactate salt.

(35) See Rhodinal.

<u>TRIVIAL NAME</u>	<u>CHEMICAL NAME</u>	<u>SYNONYMS</u>
RUTIN	3,3',4',5,7-Pentahydroxy- C flavone 3-[6-O-(6-deoxy- α - L-mannopyranosyl)- β -D- glucopyranoside]	Rutoside
RUTOSIDE See Rutin	3,3',4',5,7-Pentahydroxy- C flavone 3-[6-O-(6-deoxy- α - L-mannopyranosyl)- β -D- glucopyranoside]	
SACCHARIN (36)	1,2-Benzisothiazolin-3-one 1,1-dioxide	Anhydro-o-sulfamine- C benzoic acid
SAFRANINE	3,7-Diamino-2,8-dimethyl- 5-phenylphenazinium chloride	C.I. Basic Red 2; C.I. 40240
SALICYLFLUORONE	2,6,7-Trihydroxy-9-(o- hydroxyphenyl)-3H-xanthen- 3-one	2,6,7-Trihydroxy-9-(o- hydroxyphenyl)-3-fluorone
SALINAZID	Isonicotinic acid, salicylidenehydrazide	1-Isonicotinoyl-2- salicylidenehydrazine
SELENAZONE	(Phenylazo)selenoformic acid, 2-phenylhydrazide	3-Seleno-1,5-diphenyl- C formazan; Diphenyl- C selenocarbazone
SELENOXINE	8-Quinolineselenol	Quinoline-8-selenol; 8-Hydroselenoquinoline
SEQUESTRENE AA See EDTA	(Ethylenedinitrilo)tetraacetic acid	
SEQUESTRENE Na ₂ See EDTA, disodium salt	(Ethylenedinitrilo)tetraacetic acid, disodium salt	
SEQUESTRIC ACID See EDTA	(Ethylenedinitrilo)tetraacetic acid	
SEQUESTROL See EDTA	(Ethylenedinitrilo)tetraacetic acid	
SEQUESTROL Na ₂ See EDTA, disodium salt	(Ethylenedinitrilo)tetraacetic acid, disodium salt	
SINCALINE See Choline	(2-Hydroxyethyl)trimethyl- C ammonium hydroxide; Choline hydroxide	
SNADNS or α -SNADNS 4	4,5-Dihydroxy-3-[(4-sulfo-1- naphthyl)azo]-2,7- naphthalenedisulfonic acid, trisodium salt	3-(4-Sulfo-1-naphthyl- C azo)chromotropic acid, trisodium salt
α -SNADNS 6	4,5-Dihydroxy-3-[(6-sulfo-1- naphthyl)azo]-2,7- naphthalenedisulfonic acid	
β -SNADNS 6	4,5-Dihydroxy-3-[(b-sulfo-2- naphthyl)azo]-2,7- naphthalenedisulfonic acid	

(36) Various trade names include Saxin, Sykose.

<u>TRIVIAL NAME</u>	<u>CHEMICAL NAME</u>	<u>SYNONYMS</u>
SNAXOXS	8-Hydroxy-7-[(4-sulfo-1-naphthyl)azo]-5-quinoline $\odot$ sulfonic acid	
SOLOCHROME BLACK	3-Hydroxy-4-[(1-hydroxy-2-naphthyl)azo]-7-nitro-1-naphthalenesulfonic acid, monosodium salt	α -Solochrome black WDFA; Solochrome black T; Chromogene black; C.I. Mordant Black 11, monosodium salt
SOPHORETIN See Quercetin	3,3',4',5,7-Pentahydroxy $\odot$ flavone	
SOZOIODIC ACID (37)	4-Hydroxy-3,5-diiodobenzene $\odot$ sulfonic acid	2,6-Diiodophenol-4-sulfonic acid
SPADNS	4,5-Dihydroxy-3-[(p-sulfophenyl)azo]-2,7-naphthalenedisulfonic acid, trisodium salt	3-(4-Sulfophenylazo)-4,5-dihydroxynaphthalene-2,7-disulfonic acid, trisodium salt
STILBAZO	4,4'-Bis[(3,4-dihydroxy $\odot$ phenyl)azo]-2,2'-stilbenedi $\odot$ sulfonic acid, diammonium salt	
STILBNAPHTHAZO	4,4'-Bis[(2-hydroxy-1-naphthyl)azo]-2,2'-stilbenedi $\odot$ sulfonic acid	
STILBOXIN	4,4'-Bis[(8-hydroxy-5-quinolyl) $\odot$ azo]-2,2'-stilbenedisulfonic acid, disodium salt	
STYPHNIC ACID	2,4,6-Trinitroresorcinol	
SULFANILIC ACID	Sulfanilic acid	p-Aminobenzenesulfonic acid
SULFARSAZEN	p-[p-[3-(2-Arsono-4-nitrophenyl)-2-triazeno] $\odot$ phenyl]azo]benzenesulfonic acid, monosodium salt	Plumbon IREA
SULFENAMIDE BT	N,N-Diethyl-2-benzothiazole $\odot$ sulfenamide	
SULFENAZOXINE	p-[(8-Hydroxy-5-quinolyl)azo] $\odot$ benzenesulfonic acid	5-(p-Sulfophenylazo)-8-hydroxyquinoline
SULFOCHLOROPHENOL S	3,6-Bis[(5-chloro-2-hydroxy-3-sulfophenyl)azo]-4,5-dihydroxy-2,7-naphthalenedisulfonic acid	4,5-Dihydroxy-3,6-bis[(5-chloro-2-hydroxy-3-sulfophenyl)azo]-2,7-naphthalenedisulfonic acid

(37) SOZOIODOL is the sodium salt

TRIVIAL NAME	CHEMICAL NAME	SYNONYMS
SULFONAZO	3,3'-[Sulfonylbis[(6-hydroxy-m-phenylene)azo]] $\bigcirc$ bis[5-amino-4-hydroxy-2,7-naphthalenedisulfonic acid]	Bis[3-(8-amino-1-hydroxy-3,6-disulfo-2-naphthylazo)-4-hydroxyphenyl]sulfone
SULFOSALICYLIC ACID	5-Sulfosalicylic acid	2-Hydroxybenzoic acid-5-sulfonic acid; Salicyl-5-sulfonic acid
SULFOTOLAZOXINE	2-[(8-Hydroxy-5-quinoly1)azo]-p-toluene $\bigcirc$ sulfonic acid	(6-Sulfo-m-tolyl)-5-azo-8-hydroxyquinoline
TAN (38)	1-(2-Thiazolylazo)-2-naphthol	
TANTALON (39)	N-Phenylbenzohydroxamic acid	N-Benzoyl-N-phenyl $\bigcirc$ hydroxylamine
TBP (40)	Tributyl phosphate	
TDM	tert-Dodecanethiol	t-Dodecanethiol; T-dodecyl mercaptan
TEROSITE	4,4',4''-Triphenyl-2,2':6',2''-terpyridine	2,6-Bis(4-phenyl-2-pyridyl)-4-phenylpyridine
TERPYRIDINE (41)	2,2':6',2''-Terpyridine	2,6-Di(2-pyridyl)pyridine; Terpyridyl; trpy
TETRA (42)	Bis(1H-tetrazol-5-ylazo)acetic acid, ethyl ester, disodium salt	
TETRA BASE See Arnold's Base	4,4'-Methylenebis[N,N-dimethylaniline]	
TETRON (43)	N,N,N',N', 3,3'-Hexamethyl $\bigcirc$ benzidine	N,N,N',N'-Tetramethyl-4,4'-bi-o-toluidine
TETRYL See Nitramine	N-Methyl-N,2,4,6-tetranitro $\bigcirc$ aniline	
THIAZOLE YELLOW See Titan yellow	2,2'-[(Diazoamino)di-p-phenylene]bis[6-methyl-7-benzothiazolesulfonic acid], disodium salt	
THIOMICHLER'S KETONE See TMK	4,4'-Bis(dimethylamino)thio $\bigcirc$ benzophenone	TMK

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- (38) TAN has also been used to mean 2,2,6,6-tetramethyl-7-oxo-1-piperidinyloxy.
- (39) Appears to be the same as BPHA.
- (40) This abbreviation has also been used for BIOTHIONOL (2,2'-Thiobis[4,6-dichlorophenol]).
- (41) There are several possible isomers but the 2,2':6',2''-compound is implicit in analytical chemistry.
- (42) "Tetra" could apply to hundreds of compounds and the present ascription may not be unique.
- (43) Not confirmed for this compound alone.

<u>TRIVIAL NAMES</u>	<u>CHEMICAL NAMES</u>	<u>SYNONYMS</u>
THIONALIDE	2-Mercapto-N-2-naphthylacetamide	
THIONE (44)	2-Pyridinethiol 1-oxide	2-Mercaptopyridine N-oxide
THIONINE	3,7-Diaminophenothiazin-5-ium chloride	7-Amino-3-imino-3H-phenothiazine, mono○hydrochloride; Lauth's violet
THIONOL (45)	7-Hydroxy-3H-phenothiazin-3-one	
THIONOLINE	7-Amino-3H-phenothiazin-3-one	
THIOOXINE	8-Quinolinethiol	8-Mercaptoquinoline
THIOSINAMINE	1-Allyl-2-thiourea	
THORIN	4-[(o-Arsonophenyl)azo]-3-hydroxy-2,7-naphthalenedi○sulfonic acid, 2,7-disodium salt	1-(o-Arsonophenylazo)-2-naphthol-3,6-disulfonic acid, disodium salt; APANS; APNS; Naphtharson; Thoron (46)
THORON (46) See Thorin	4-[(o-Arsonophenyl)azo]-3-hydroxy-2,7-naphthalenedi○sulfonic acid, 2,7-disodium salt	Thorone
THYMOL	Thymol	p-Cymen-3-ol; 3-Hydroxy-p-cymene; 2-Isopropyl-5-methylphenol
THYMOLPHTHALEIN COMPLEXONE	3',3''-Bis[[bis(carboxy○methyl)amino]methyl-5',5''-diisopropyl-2',2''-dimethyl○phenolphthalein	3',3''-Bis[[bis(carboxy○methyl)amino]methyl]○thymolphthalein; Thymolphthalexon
THYREOCORDON	1,3-Bis(hydroxymethyl)-2-benzimidazolinethione	
THYRONINE	Thyronine	3-[p-(p-Hydroxyphenoxy)○phenyl]alanine
TIFERRON See Tiron	4,5-Dihydroxy-m-benzene○disulfonic acid, disodium salt	
TIRON	4,5-Dihydroxy-m-benzene○disulfonic acid, disodium salt	Tiferron

(44) Thione has also been used to mean the sodium salt.

(45) Appears to be related to Resorufin.

(46) Thoron has also been used to mean the trisodium salt.

TRIVIAL NAME	CHEMICAL NAME	SYNONYMS
TITAN YELLOW (47)	2,2'-[(Diazoamino)di-p-phenylene]bis[6-methyl-7-benzothiazolesulfonic acid], disodium salt	C.I. Direct Yellow 9, disodium salt; Clayton yellow; Thiazole yellow; Acridingelb 5G; Azidingelb 5G; 4,4'-Bis[2-(6-methyl-7-sulfo-1,3-benzothiazolyl)]diazoaminobenzene
TITRIplex I See NTA	Nitrilotriacetic acid	
TITRIplex II See EDTA	(Ethylenedinitrilo)tetraacetic acid	
TITRIplex III See EDTA, disodium salt	(Ethylenedinitrilo)tetraacetic acid, disodium salt	
TITRIplex IV See DCTA	(1,2-Cyclohexylenedinitrilo) tetraacetic acid	
TMK See Thiomichler's ketone	4,4'-Bis(dimethylamino)thio benzophenone	Thiomichler's ketone
TOLAZOXINE	5-(p-Tolylazo)-8-quinolinol	
TOPO (48)	Trioctylphosphine oxide	
TPB	Tetraphenylborate(1-) (the anion $B(C_6H_5)_4^-$)	Tetraphenylboron (the anion $B(C_6H_5)_4^-$)
TPTZ	2,4,6-Tris(2-pyridyl)-s-triazine	
tren	4-(2-Aminoethyl)diethylene triamine	Tris(2-aminoethyl)amine
TRICARBALLYLIC ACID	1,2,3-Propanetricarboxylic acid	
trien	Triethylenetetramine	
TRILO See NTA	Nitrilotriacetic acid	
TRILON A See NTA	Nitrilotriacetic acid, trisodium salt	
TRILON B (22) See EDTA, disodium salt	(Ethylenedinitrilo)tetraacetic acid, disodium salt	
TRITON B	Benzyltrimethylammonium hydroxide	

(47) Commercial samples differ in their reactivity towards magnesium ions (Analyst, 1967, 92, 83) and the active principle has been isolated and its structure established by H.C. King, G. Pruden and N.F. James (Analyst, 1967, 92, 695).

(48) Specifically the n-octyl compound.

<u>TRIVIAL NAME</u>	<u>CHEMICAL NAME</u>	<u>SYNONYMS</u>
TROPOLONE-5-SULFONIC ACID	4-Hydroxy-5-oxo-1,3,6-cycloheptatriene-1-sulfonic acid	
trpy See Terpyridine	2,2':6',2''-Terpyridine	
T-SULFONAMIDINE	2'-Amino-p-toluene $\odot$ sulfonanilide	
TTA (49)	4,4,4-Trifluoro-1-(2-thienyl)-1,3-butanedione	Thenoyltrifluoroacetone; HTTA
TTC	2,3,5-Triphenyl-2H-tetrazolium chloride	
TTHA	N,N'-Ethylenebis[N-[2-bis(carboxymethyl)amino] ethyl]glycine] $\odot$	Triethylenetetraminehexa $\odot$ acetic acid; [Ethylenebis[[(carboxy $\odot$ methyl)imino]ethylene $\odot$ nitrilo]]tetraacetic acid
TYROSINE	Tyrosine	3-(p-Hydroxyphenyl)alanine
UNITHIOL	2,3-Dimercapto-1-propanesulfonic acid, monosodium salt	
URIC ACID	Uric acid	Purine-2,6,8(1H,3H,9H) $\odot$ trione; 2,6,8-Trihydroxy $\odot$ purine; Purine-2,6,8-triol
UROTROPINE See Hexamine	Hexamethylenetetramine	
URSOL D	p-Phenylenediamine	p-Diaminobenzene
URSOL P See Rodinal	p-Aminophenol	
VANILLIN	Vanillin	4-Hydroxy-3-methoxybenz $\odot$ aldehyde
VERSENE (50) See EDTA	(Ethylenedinitrilo)tetraacetic acid	
VIDINE See Choline	(2-Hydroxyethyl)trimethyl $\odot$ ammonium hydroxide; Choline hydroxide	
VIOLURIC ACID	Alloxan 5-oxime	5-(Hydroxyimino)barbituric acid; 2,4,5,6(1H,3H)-Pyrimidinetetrone 5-oxime
WOOD'S REAGENT	2-[3-Hydroxy-6-hydroxymethyl)-4-oxo-4H-pyran-2-yl]-6-(hydroxymethyl)pyrano[3,2-b] $\odot$ pyran-4,8-dione	

(49) HTTA should be used for the diketone itself and TTA reserved for its conjugate base (anion).

(50) Versene is a registered trademark.

<u>TRIVIAL NAME</u>	<u>CHEMICAL NAME</u>	<u>SYNONYMS</u>
WURSTER'S REAGENT	<u>N,N,N',N'</u> -Tetramethyl- <u>p</u> -phenylenediamine	
XYLENOL ORANGE	[3H-2,1-Benzoxathiol-3-ylidenebis[(6-hydroxy-5-methyl-m-phenylene)methylene]nitrilo]]tetraacetic acid <u>S,S</u> -dioxide	3',3''-Bis[[bis(carboxymethyl)amino)methyl]-o-cresolsulfonephthalein
ZINCON	o-[1-(2-Hydroxy-5-sulfophenyl)-3-phenyl-5-formazano]benzoic acid	5-(o-Carboxyphenyl)-1-(2-Hydroxy-5-sulfophenyl)-3-phenylformazan; o-[2-[α-[(2-Hydroxy-5-sulfophenyl)azo]benzylidene]hydrazino]benzoic acid