



Sigma Dyes, Stains, and Natural Pigments

Library Listing – 628 spectra

This library represents a material-specific subset of the larger Sigma Biochemical Condensed Phase Library relating to dyes, stains and natural pigments found in the Sigma Biochemicals and Reagents catalog.

Spectra acquired by Sigma-Aldrich Co. which were examined and processed at Thermo Fisher Scientific. The spectra include compound name, molecular formula, CAS (Chemical Abstract Service) registry number, and Sigma catalog number.

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<u>Index</u>	<u>Compound Name</u>	<u>Index</u>	<u>Compound Name</u>
230	1,1-Diphenyl-2-picrylhydrazyl	216	5-(4,6-Dichlorotriazin-2-yl)aminofluorescein .HCl
483	1,10-Phenanthroline .H2O	214	5-7-Dichloro-8-hydroxy-quinoline
614	1,3,5-Triphenyl-formazan	153	5-Bromo-4-chloro-3-indolyl phosphate, p-toluidine salt
320	1-(2-Hydroxy-1-naphthylazo)-2-naphthol-4-sulfonic acid	338	5-Isatinsulfonic acid, Na salt
519	1-(2-Pyridylazo)-2-naphthol	104	6-Aminochrysene
596	1-(2-Thiazolylazo)-2-naphthol	107	7-Amino-4-methylcoumarin
211	1-Diazo-2-naphthol-4-sulfonic acid	220	8-Dimethylamino-2,3-benzophenoxazine, hemi(ZnCl2) salt
324	1-Hydroxy-4-(p-toluidino)anthraquinone	321	8-Hydroxyquinoline
217	2,2'-Dihydroxy-1,1'-azonaphthalene-3,3',6,6'-tetrasulfonic acid	322	8-Hydroxyquinoline hemisulfate
227	2,3-Dimethylquinizarin	323	8-Hydroxyquinoline-5-sulfonic acid
215	2,6-Dichlorophenol-indophenol, Na salt	53	Acid black 48
131	2-(2'-Benzothiazolyl)-5-styryl-3-(4'-phthalhydrazidyl)tetrazolium cl	57	Acid blue 161
597	2-(2-Thiazolylazo)-p-cresol	54	Acid blue 25
317	2-(4'-Hydroxyazobenzene)benzoic acid	55	Acid blue 29
154	2-(5-Bromo-2-pyridylazo)-5-(diethylamino)phenol	56	Acid blue 45
579	2-(p-Sulfophenylazo)-1,8-dihydroxy-3,6-naphthalenedisulfonic acid	58	Acid fuchsin certified
213	2-7-Dichlorofluorescein	60	Acid orange 51
172	2-Chloro-4-benzamido-5-methylbenzene diazonium chloride	61	Acid orange 63
318	2-Hydroxy-1-(2-hydroxy-4-sulfo-1-naphthylazo)-3-naphthoic acid	62	Acid orange 74
459	2-Nitro-4-(2,4-dinitrophenylazo)phenol	59	Acid orange 8
458	2-Nitro-4-carboxyphenyl N,N-diphenylcarbamate	63	Acid red 1
461	2-Nitroso-1-naphthol	66	Acid red 106
588	3,3',5,5'-Tetramethylbenzidine	67	Acid red 114
589	3,3',5,5'-Tetramethylbenzidine .2HCl	68	Acid red 150
206	3,3'-Diaminobenzidine tetra .HCl	69	Acid red 151
205	3,3'-Diaminobenzidine	70	Acid red 183
174	3-Chloro-1-2-propanediol	64	Acid red 4
334	3-Indoxyl phosphate di-p-toluidine	65	Acid red 88
333	3-Indoxyl phosphate, disodium salt	73	Acid violet 17
335	3-Indoxyl sulfate, K salt	71	Acid violet 5
372	3-O-Methylfluorescein	72	Acid violet 7
373	3-O-Methylfluorescein phosphate, CHA salt	74	Acid yellow 17
520	4-(2-Pyridylazo)resorcinol	75	Acid yellow 25
522	4-(2-Pyridylazo)resorcinol, Na salt	76	Acid yellow 29
521	4-(2-Pyridylazo)resorcinol, disodium salt	77	Acid yellow 34
460	4-(4-Nitrophenylazo)resorcinol	78	Acid yellow 38
212	4-5-Dibromofluorescein	79	Acid yellow 40
222	4-5-Dimethyl-o-phenylenediamine	80	Acid yellow 65
103	4-Amino-1,1'-azobenzene-3,4-disulfonic acid	81	Acid yellow 99
105	4-Amino-4'-dimethylamino-azobenzene	82	Acridine orange
102	4-Aminoantipyrine	83	Acridine orange base
106	4-Aminodiphenylamine diazonium sulfate	84	Acridine yellow
218	4-Dimethylaminoazobenzene-4'-isothiocyanate	85	Acridine yellow
381	4-Methylumbelliferone	86	Acridine yellow .HCl
382	4-Methylumbelliferone	87	Acridine yellow neutral
	methyleneiminodiacetic acid	88	Adrenochrome
327	5,5-7-Indigotrisulfonic acid, K salt	89	Adrenochrome semicarbazone sulfonate, Na salt
		89	Alcian blue 8GX
		90	Alcian blue 8GX
		91	Alcian yellow
		92	Alizarin
		93	Alizarin blue black B
		94	Alizarin complexone
		96	Alizarin red S certified
		97	Alizarin violet R
		98	Alizarin yellow R

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95	Alizarin-lanthanum complex buffered powder	159	Bromphenol blue, Na salt
99	Alkali blue 6B	160	Bromphenol red sulfone form
100	Alphazurine A	162	Bromthymol blue sulfone
101	Amaranth	163	Bromthymol blue, Na salt
108	Aniline blue	52	C-Phycocyanin
109	Aniline blue water soluble certified	164	Calcein
110	Antipyrine	165	Calcion
111	Apigenin	166	Calmagite
112	Arsenazo I, Na salt	167	Carbol fuchsin
113	Arsenazo III	168	Carboxyarsenazo
114	Arsenazo III, Na salt	169	Carminic acid
115	Auramine O, certified	170	Celestine blue
116	Aurintricarboxylic acid	171	Chicago sky blue 6B
117	Aurintricarboxylic acid, ammonium salt	173	Chlorophenol red
118	Azidofluorescein diacetate	4	Chlorophyllin, Na salt-copper
119	Azocarmine B	175	Chrome azurol S
120	Azure A eosinate	176	Chromotrope 2B
121	Azure B chloride	177	Chromotrope 2R
122	Azure B eosinate	178	Chrysin
123	Azure II	179	Chrysophanic acid
124	Azure II eosinate	180	Chrysophenine
1	Bacteriochlorophyll A from rhodospseudomonas sphaeroides	5	Cobaltic protoporphyrin IX chloride
41	Bacteriorhodopsin from halobacterium halobium	181	Congo red
126	Basic blue 24 zinc chloride double	182	Congo red certified
125	Basic blue 3	183	Copper phthalocyanine
127	Basic yellow 11	6	Coproporphyrin I .2HCl
129	Benzidine .2HCl	10	Coproporphyrin I N-propyl ester
128	Benzidine .2HCl	7	Coproporphyrin I ethyl ester type I
130	Benzopurpurin 4B	8	Coproporphyrin I ethyl ester type II
132	Benzoxanthene yellow	9	Coproporphyrin I isopropyl ester
133	Benzyl viologen dichloride	11	Coproporphyrin I tetramethyl ester
134	Biebrich scarlet	12	Coproporphyrin I tetramethyl ester
2	Bilirubin from bovine gall stones	13	Coproporphyrin III tetramethyl ester type III-H
3	Biliverdin .2HCl	184	Coumarin
135	Bisbenzimidazole Hoechst no 33258 .3HCl	186	Coumarin 138
136	Bismarck brown R	187	Coumarin 152
137	Bismarck brown Y	188	Coumarin 153
138	Bismarck brown Y certified	189	Coumarin 311
139	Bordeaux red	185	Coumarin 35
140	Brilliant black BN	193	Cresol red
142	Brilliant blue G	194	Cresol red, Na salt
141	Brilliant blue G	195	Cresyl violet acetate
143	Brilliant blue R	196	Cresyl violet acetate certified
144	Brilliant cresyl blue certified	197	Crocein orange G
145	Brilliant green certified	198	Crocein scarlet 7B
146	Brilliant yellow, Na salt	199	Crystal ponceau 6R
147	Bromchlorophenol blue alcohol soluble	200	Crystal violet
148	Bromchlorophenol blue, Na salt	201	Cupferron
149	Bromcresol green	202	Curcumin from curcuma longa
150	Bromcresol green, Na salt	203	Cymarin
151	Bromcresol purple	204	Delamar yellow
152	Bromcresol purple, Na salt	15	Deuteroporphyrin IX 2,4-disulfonic acid
155	Bromo pyrogallol red	14	Deuteroporphyrin IX dimethyl ester from bovine blood
161	Bromophenol red, Na salt	221	Dimethylglyoxime
156	Bromosulfonazo III	228	Diphenylamine-4-sulfonic acid, Ba salt
157	Bromoxyleneol blue	231	Direct orange 31
158	Bromphenol blue sulfone form	232	Direct red 81
		234	Direct yellow 27

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235	Direct yellow 29	294	Fast yellow GC salt
236	Direct yellow 50	295	Fat brown B
237	Direct yellow 62	296	Fat brown RR
233	Direct yellow 8	297	Fat red 7B
238	Disperse blue 1	42	Ferredoxin type V from clostridium pasteurianum
239	Disperse blue 14		
240	Disperse orange 1	43	Ferredoxin type VI from red marine algae
242	Disperse orange 11		
241	Disperse orange 3	298	Flavazin L
243	Disperse red 1	299	Fluorescamine
244	Disperse red 13	300	Fluorescein
245	Disperse red 19	304	Fluorescein diacetate
246	Disperse yellow 3	305	Fluorescein dilaurate
249	Disperse yellow 42	306	Fluorescein isothiocyanate isomer I
247	Disperse yellow 7	301	Fluorescein, Na salt
248	Disperse yellow 9	302	Fluoresceinamine isomer I
250	Drimarene brilliant blue K-BL	303	Fluoresceinamine isomer II
251	Eosin B spirit soluble	307	Fluorescent brightener 28
252	Eosin B, disodium salt	308	Fuchsin acid
253	Eosin Y	309	Gallein
254	Eosin Y certified	310	Gallocyanine
255	Eriochrome blue black B	311	Giemsa stain
256	Eriochrome cyanine RC	312	Giemsa stain, certified
257	Erioglaurine	44	Gossypol
258	Erythrosin B	45	Gossypol-acetic acid
259	Erythrosin B, Na salt	313	Granular blue
260	Ethidium bromide	46	Hematein from logwood
261	Ethyl eosin	16	Hematin from bovine blood
262	Ethyl orange	17	Hematoporphyrin
263	Ethyl red	18	Hematoporphyrin .2HCl
264	Ethyl violet	315	Hematoxylin certified
265	Evans blue	314	Hematoxylin; 7,11b-Dihydrobenz[b]indeno[1,2-d]pyran-3,4,6a,9,10(6H)-p
266	Fast black K salt		
267	Fast blue BB base	19	Hemin type I bovine
269	Fast blue BB salt	20	Hemin type III equine
268	Fast blue BB salt		
270	Fast blue RR base	316	Hydrindantin anhydrous
271	Fast blue RR salt	319	Hydroxynaphthol blue, Na salt
272	Fast corinth v	325	Indigo
273	Fast dark blue R salt	326	Indigo carmine
274	Fast garnet GBC base	328	Indocyanine green
276	Fast garnet GBC salt	329	Indophenol blue
275	Fast garnet GBC salt purified	331	Indoxyl 1,3-diacetate
277	Fast green FCF	330	Indoxyl acetate
278	Fast green FCF certified	332	Indoxyl b-D-glucoside
279	Fast red AL salt	336	Iodonitrotetrazolium formazan
280	Fast red B salt	337	Isatin
281	Fast red ITR base	339	Janus green B
282	Fast red ITR salt	340	Janus green B certified
283	Fast red KL salt	341	Juglone
284	Fast red PDC	342	Kojic acid
285	Fast red RC salt diazotized	343	Lacmoid
286	Fast red TR salt	344	Leishman's stain
288	Fast red violet LB salt	345	Leucocrystal violet
287	Fast red violet LB salt	346	Leucomalachite green
289	Fast sulphon black F	347	Light green SF yellowish
290	Fast violet B base	348	Lissamine green B
293	Fast violet B salt	349	Litmus
292	Fast violet B salt	350	Lucifer yellow CH dilithium
291	Fast violet B salt	351	Lucifer yellow VS dilithium

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352	Lumazine	393	Mordant orange 10
353	Lumichrome	394	Mordant red 19
399	MTT	396	Mordant yellow 10
400	MTT formazan	397	Mordant yellow 12
354	Magon	395	Mordant yellow 7
355	Malachite green .HCl	398	Morin
358	Malachite green base	401	Murexide
356	Malachite green oxalate	229	N,N'-Diphenylbenzidine
357	Malachite green oxalate, certified	223	N,N-Dimethyl-m-phenylenediamine .2HCl
359	Martius yellow	224	N,N-Dimethyl-p-phenylenediamine .2HCl
360	May-Grunwald stain	225	N,N-Dimethyl-p-phenylenediamine .HCl
47	Melanin	226	N,N-Dimethyl-p-phenylenediamine sulfate
361	Mercurochrome	367	N-Methyl-9-(p-chlorophenoxy-carbonyl)-acridinium iodide
362	Mercury orange	375	N-Methylindoxyl acetate
363	Merocyanine 540	501	N-Phenyl-1-naphthylamine
36	Meso-tetra(4-pyridyl)-porphine	402	Naphthol AS
34	Meso-tetra-(4-N-methyl-pyridyl) porphine tetratosyl	403	Naphthol AS acetate
35	Meso-tetraphenylporphine	412	Naphthol AS b-chloropropionate
21	Mesoporphyrin IX .2HCl	404	Naphthol AS benzoate
22	Mesoporphyrin-IX dimethyl ester	430	Naphthol AS g-phenylbutyrate
49	Metallothionein I	428	Naphthol AS nonanoate
50	Metallothionein II	429	Naphthol AS phenylacetate
48	Metallothionein from rabbit liver	431	Naphthol AS phenylpropionate
364	Metanil yellow	432	Naphthol AS phosphate
23	Methemoglobin bovine	433	Naphthol AS phosphate, Na salt
24	Methemoglobin cat	434	Naphthol AS propionate
25	Methemoglobin human	405	Naphthol AS-BI
365	Methyl calcein	406	Naphthol AS-BI N-acetyl-b-D-glucosaminide
366	Methyl calcein blue	407	Naphthol AS-BI b-D-galactopyranoside
371	Methyl eosin	408	Naphthol AS-BI b-D-glucuronic acid
374	Methyl green	409	Naphthol AS-BI phosphate
376	Methyl orange	410	Naphthol AS-BI phosphate, Na salt
378	Methyl red .HCl; 2-[4-(Dimethylamino)phenylazo]benzoic acid .HCl	411	Naphthol AS-BI sulfate, K salt
379	Methyl red, Na salt; 2-[4-(Dimethylamino)phenylazo]benzoic acid, Na s	415	Naphthol AS-D acetate
377	Methyl red; 2-[4-(Dimethylamino)phenylazo]benzoic acid	416	Naphthol AS-D chloroacetate
383	Methyl violet 2B	413	Naphthol AS-D type II practical
384	Methyl viologen	414	Naphthol AS-D type III
368	Methylene blue, certified	417	Naphthol AS-G
369	Methylene green	418	Naphthol AS-GR
370	Methylene violet-bernthsen	419	Naphthol AS-GR phosphate
380	Methylthymol blue	420	Naphthol AS-GR phosphate, Na salt
28	Microperoxidase (MP-11), Na salt	421	Naphthol AS-IRG
26	Microperoxidase (MP-8), Na salt	425	Naphthol AS-L3G
27	Microperoxidase (MP-9), ammonium salt	422	Naphthol AS-LC
385	Mordant blue 1	423	Naphthol AS-LC acetate
386	Mordant blue 9	424	Naphthol AS-LG
387	Mordant brown 1	427	Naphthol AS-MX phosphate, Na salt
390	Mordant brown 24	426	Naphthol AS-MX type III
391	Mordant brown 33	435	Naphthol AS-SG
388	Mordant brown 4	436	Naphthol AS-TR
392	Mordant brown 48	437	Naphthol AS-TR phosphate
389	Mordant brown 6	438	Naphthol AS-TR phosphate, Na salt
		440	Naphthol blue black

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439	Naphthol blue black	510	Polymeric dye poly S-119
441	Naphthol green B	511	Polymeric dye poly T-128
443	Neocuproine	512	Ponceau 2R
444	Neocuproine .HCl	513	Ponceau S
445	Neotetrazolium chloride practical	31	Porphin
448	Neutral red practical	514	Primulin
446	Neutral red purified	515	Proflavine .HCl
447	Neutral red, certified	33	Protoporphyrin IX dimethyl ester from ox hemin
449	New cocchine	32	Protoporphyrin IX, disodium salt
450	Nigericin	516	Purpald
451	Nigrosin	517	Purpurin
453	Nile blue sulfate	518	Pyridine-2-azo-(p-dimethylaniline)
452	Nile blue, .HCl	523	Pyrocatechol violet
454	Ninhydrin	524	Pyrogallolsulfonphthalein
455	Nitrazine yellow	525	Pyronin B
456	Nitro blue diformazan	527	Pyronin Y
457	Nitro blue tetrazolium	526	Pyronin Y certified
462	Nitrosulfonazo III	531	Quin 2
464	Nuclear fast red	532	Quin 2, tripotassium salt
29	Octaethylporphine	533	Quin 2-AM
465	Oil blue N	528	Quinaldic acid
466	Oil red EGN	529	Quinaldine red
467	Oil red O	530	Quinalizarin
469	Orange G, Na salt	534	Quinizarin
470	Orange G, certified	535	Quinizarinsulfonic acid
468	Orange IV, Na salt	536	Quinoline yellow
471	Orcein natural	537	Quinolinic acid
472	Orcein synthetic	538	Reactive blue 2
473	Palatine fast black WAN	539	Reactive blue 4
474	Palatine fast yellow BLN	540	Reactive blue 5
475	Pararosaniline	541	Reactive brown 10
477	Pararosaniline .HCl	542	Reactive green 19
478	Pararosaniline .HCl, certified	543	Reactive orange 14
476	Pararosaniline acetate	545	Reactive red 120
482	Patent blue violet	544	Reactive red 4
480	Patent blue violet	546	Reactive yellow 2
479	Patent blue violet purified	547	Reactive yellow 86
481	Patent blue violet, Ca salt	548	Remazol brilliant blue R
30	Pentacarboxylporphyrin I permethyl ester	549	Resazurin, Na salt
51	Perphenazine	553	Rhodamine 6G
484	Phenazine ethosulfate	550	Rhodamine B
485	Phenazine methosulfate	551	Rhodamine B base
491	Phenol red	552	Rhodamine B isothiocyanate
492	Phenol red, Na salt	554	Rhodanile blue
486	Phenolphthalein	555	Rhodanine
487	Phenolphthalein dibutyrate	556	Rhodizonic acid .2H2O
488	Phenolphthalein diphosphate, Na salt	557	Rhodizonic acid, Ba salt
490	Phenolphthalin	558	Rhodizonic acid, K salt
489	Phenolphthalein disulfate, tripotassium salt	559	Rhodizonic acid, Na salt
493	Phenosafranin	560	Rose bengal
502	Phloretin	561	Rosolic acid
503	Phloxine B	562	Ruthenium red
504	Phloxine B certified	563	Safranin O
505	Phthalein purple	564	Safranin O, certified
506	Pigment red 1	565	Solvent blue 37
507	Pinacryptol yellow	566	Solvent blue 38
508	Plasmocorinth B, disodium salt	567	Solvent green 3
509	Polymeric dye poly R-478	568	Solvent yellow 7
		569	Sudan I

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570	Sudan II	618	Turkey-red oil
571	Sudan III	619	Twort stain
572	Sudan III certified	37	Urobilin IX .HCl
573	Sudan IV certified	40	Uroporphyrin I N-propyl ester
574	Sudan black B	38	Uroporphyrin I ethyl ester
575	Sudan orange G	39	Uroporphyrin I isopropyl ester
576	Sulfobromophthalein, Na salt	620	Victoria blue b
577	Sulfochlorophenol S, Na salt	621	Victoria blue r
578	Sulfonazo III, Na salt	622	Victoria pure blue bo
581	Sulforhodamine 101	623	Violamine r
582	Sulforhodamine 101 acid chloride	624	Wright stain certified
580	Sulforhodamine B	625	Xanthopterin
583	Tartrazine	626	Xylenol blue
584	Tetrabromophenol blue	627	Xylenol orange, tetrasodium salt
585	Tetrabromophenol blue, Na salt	628	Zincon
586	Tetrabromophenolphthalein ethyl ester, K salt	442	a-Naphthyl red
587	Tetrachrome stain	191	m-Cresol purple
590	Tetramethylrhodamine isothiocyanate, isomer R	192	m-Cresol purple, Na salt
591	Tetramethylrhodamine isothiocyanate, mixed isomers	463	m-Nitrotetrazolium blue
592	Tetranitro blue tetrazolium	496	m-Phenylenediamine
593	Tetrazolium blue chloride	190	o-Cresolphthalein
594	Tetrazolium violet	207	o-Dianisidine
595	Thiazol yellow G	208	o-Dianisidine .2HCl
598	Thiocarbamyl nitro blue tetrazolium	209	o-Dianisidine, tetrazotized
599	Thioflavine S	498	o-Phenylenediamine
600	Thioflavine T	497	o-Phenylenediamine
601	Thionin acetate	499	o-Phenylenediamine .2HCl
602	Thorin, disodium salt	607	o-Tolidine
603	Thymol blue	608	o-Tolidine .2HCl
604	Thymol blue, Na salt	610	o-Toluidine
605	Thymolphthalein	609	o-Toluidine practical
606	Thymolphthalein complexone	210	p-Diazo-N,N-diethyl-m-toluidine zinc chloride
612	Toluidine blue O certified	219	p-Dimethylaminobenzaldehyde
613	Toluidine red	494	p-Phenylazoaniline
615	Tropaeolin o	495	p-Phenylazoaniline .HCl
616	True blue diacetate	500	p-Phenylenediamine
617	Trypan blue	611	p-Toluidine