

5. Laser dyes

Since 1982 we synthesise laser dyes in excellent quality. The extensive quality management of our experienced chemists ensures a constant quality on a high level.

Our offer consists of a broad range of laser dyes to cover all desired wavelengths. All special data are noticed in the table of our dye poster, already mentioning the pumplaser which is used. Also we offer solvents in laser quality, which are the optimum solvents for Coumarine, Rhodamine and Cyanine dyes because of their high polarity. The high viscosity of Ethylene glycol shows to be an advantage for the use of cw-dye lasers.

Ready-to-use dye solutions

As a special service we offer ready-to-use dye solutions, which are made individual on customer request.

But please note: we recommend to buy dye and solvent separately, because dyes have a better durability as a dry powder than a solution.

Important advice:

Take care, that your dye solution contains no solid particles before the use. Often an ultrasonic bath helps to solve the dye.

At a change of dye to another wave length the dye circulator must be flushed with clean solvent. Otherwise the efficiency can be reduced or destroyed by dye rests.

Please notice:

Handle all dyes and solvents with care! A lot of dyes (also as solution!) are known as hazardous or irritating. The solvents can carry the dyes through the skin into your body (e.g. Benzyl alcohol, DMSO, Dioxan, Methanol) Always wear rubber gloves, protecting masks, goggles and clothes when weighing and solving the dyes. In case of skin contact wash with plenty of water!

⇒ Please, make yourself clear, which solvents are combustible and take care to avoid any danger!

Laser Dyes

Art. No.	Dye name	Art.No.	Dye name
001	BM-Terphenyl (BMT)	048	Coumarin 102 (C 480)
002	PTP (P-Terphenyl)	049	Coumarin 106
003	TMQ	050	Coumarin 120 (C 440)
004	Butyl-PBD (BPBD)	051	Coumarin 151 (C 490)
005	PBD	052	Coumarin 152 (C 485)
006	PPO	053	Coumarin 152A (C 481)
007	PPF	054	Coumarin 153 (C 540A)
008	Exalite 351	055	Coumarin 307 (C 503)
009	Exalite 376	056	Coumarin 311
010	Exalite 377E	057	Coumarin 314 (C 504)
011	Exalite 384	058	Coumarin 334 (C 521)
012	Exalite 389	059	Coumarin 337 (C 523)
013	Exalite 392A	060	Coumarin 343
014	Exalite 392E	061	Coumarin 445
015	Exalite 398	062	Coumarin 466 (LD 466)
016	Exalite 400E	063	LD 473
017	Exalite 404	064	Coumarin 487
018	Exalite 411	065	LD 489
019	Exalite 416	066	Coumarin 498
020	Exalite 417	067	Coumarin 500
021	Exalite 428	068	Coumarin 510
022	RDC 360 Neu	069	Coumarin 545
023	Polyphenyl 2	070	Pyrromethene 546
024	BMQ	071	Pyrromethene 556
025	DMQ	072	Pyrromethene 567
026	TMI	073	Pyrromethene 580
027	QUI	074	Pyrromethene 597
028	BiBuQ (BBQ)	075	Pyrromethene 650
029	Quinolon 390 (LD 390)	076	DOCI
030	a-NPO	077	Uranin
031	PBBO	078	Fluorescein 27 (Fluor. 548)
032	DPS	079	Rhodamin 6G (Rh. 590)
033	BBO	080	Rhodamin 6G Tetrafluorab.
034	Stilben 1	081	Rhodamin 6G Perchlorat
035	Stilben 3 (Stilben 420)	082	Fluorol 7GA (Fluor. 555)
036	LD 423	083	Rhodamin 19 (Rh. 575)
037	Carbostyryl 3 (LD 425)	084	Rhodamin 101 (Rh. 640)
038	POPOP	085	Sulforhodamin 101
039	Umbelliferon 7	086	Rhodamin 110 (Rh. 560)
040	Umbelliferon 47 (C 4)	087	Rhodamin B (Rh. 610)
041	Bis-MSB	088	Rhodamin B Perchlorat
042	Coumarin 2 (C 450)	089	Sulforhodamin B (Kiton Red)
043	Coumarin 6 (C 540)	090	Malachitgrün
044	Coumarin 6H (LD 490)	091	DCM
045	Coumarin 7 (C 535)	092	DCM-Spezial
046	Coumarin 30 (C 515)	093	DODC-Jodid (DODCI)
047	Coumarin 47	094	LD 688

Art.No.	Dye name	Art.No.	Dye name
095	Kresylviolett	125	DQOCI
096	Pyridin 1 (LDS 698)	126	DDC-Jodid 4
097	Pyridin 2 (LDS 722)	127	Phenoxazon 9 (Phenox.660)
098	Nilblau Perchlorat	128	Sättigbarer Absorber 580
099	Oxazin 4 (LD 690 Perchl)	129	DTTC Jodid
100	DCI-2	130	IR 26
101	DTCI	131	IR 125
102	DQTCI	132	IR 140
103	Rhodamin 700 (LD 700)	133	IR 143
104	Oxazin 1 Perch. (Ox 725)	134	IR 144
105	Oxazin 170 (Ox 720)	135	9-Methylantracen
106	Oxazin 750	136	DASPI
107	Styryl 6 (LDS 730)	137	PICI
108	Styryl 7 (LDS 750)	138	DMETCI
109	Styryl 8 (LDS 751)	139	DASBTI
110	LDS 765	140	HICI
111	Styryl 11 (LDS 798)	141	Pinacyanol
112	Styryl 9 (LDS 821)	142	DDBCI
113	Styryl 9M	143	Kryptocyanin
114	LDS 867	144	DTDC Jodid
115	Styryl 13 (LDS 925)	145	NCI
116	Rhodamin 800 (LD 800)	146	DDI
117	Hexacyanin 2 (HIDC Jodid)	147	DTP
118	DOTC Jodid	148	HDITCP
119	DOTC Perchlorat	149	DNTTCI
120	HITC Perchlorat	150	DQTrCI
121	Hexacyanin 3 (HITC Jodid)	151	Q-Switch I
122	Methyl-DOTCI (DMOTCI)	152	Q-Switch 5
123	Hexadibenzocyanin 3	153	BBOT
124	Dibenzocyanin 45 (DDTTC)		

Discounts:

Purchase of 5 grams per dye: 15% purchase of 10 grams per dye: 25%

Higher discounts for larger quantities and special customer discounts on request!

Solvents in laser quality

- Ethylene glykol
- Propylene carbonate
- COT
- Ammonyx LO
- Benzyl alcohol
- DABCO

