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EXALITE 392E

Catalog No.: 03920
CAS No.: N/A
MW: 723
Appearance: White crystalline solid

Lasing Wavelength Max. (nm)	Range (nm)	Pump Source (nm)	Solvent	Concentration (molar)	Abs λ-max	Fl λ-max
NOTE: Exalite 377E, 392E, and 400E are NOT recommended for pumping with XeCl(308nm). Also, the Exalite E series of dyes is especially designed and suited for dissolving in ethylene glycol, therefore, the "E" designation.						
390	375-411	Ar(uv, all lines)[68]	EG	2.77×10^{-3}	336[eg]	393[eg]
392	373-408	Ar(mid uv)[179]	EG	1.6×10^{-3}		
392	375-410	Ar(334-364)[206]	EG	$2.77 \times 10^{-3*}$		
393	375-410	Ar(mid uv)[17,177]	EG	1.5×10^{-3}		

* This represents a maximum value. Concentration should be adjusted to 80-85% absorption of the pump light.

eg = ethylene glycol

REFERENCES:

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68. Coherent Inc., 3210 Porter Dr., Palo Alto, CA 94304

177. Exciton and Associates, unpublished data, 1987-1989; **a.** Characterization of New Excimer Pumped UV Laser Dyes I. p-Terphenyls, D.J. Schneider, D.A. Landis, P.A. Fleitz, C.J. Seliskar, J.M. Kauffman and R.N. Steppel, *Laser Chem.*, 11, 49 (1991); **b.** Characterization of New Excimer Pumped UV Laser Dyes 2. p-Quaterphenyls, P.A. Fleitz, C.J. Seliskar, R.N. Steppel, J.M. Kauffman, C.J. Kelley and A. Ghiorghis, *Laser Chem.*, 11, 99 (1991); **c.** Characterization of New Excimer Pumped UV Laser Dyes 3. p-Quinqui-, Sexi-, Octi- and Deciphenyls, C.J. Seliskar, D.A. Landis, J.M. Kauffman, M.A. Aziz, R.N. Steppel, C.J. Kelley, Y. Qin and A. Ghiorghis, Laser Chem., 13(1), 19 (1993)

179. Exalite 392E: A New Laser Dye For Efficient CW Operation Between 373 and 408 nm, F.P. Tully and J.L. Durant, Jr., *Appl. Optics*, 27(11), 2096 (1988)

206. Coherent Inc., 3210 Porter Dr., Palo Alto, CA 94304; (599 Composite Tuning Curves, 1992; The concentration shown represents a maximum value. The final concentration should be adjusted to obtain 80-85% absorption of the pump light.)