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EXALITE 376

Catalog No.: 03760

CAS No.: N/A

MW: 334

Appearance: White crystalline solid

Lasing Wavelength Max. (nm)	Range (nm)	Pump Source (nm)	Solvent	Concentration (molar)	Abs λ -max	FI λ -max
373	357-381	XeCl(308) ²⁰⁴	p-Dioxane	3.1 x 10 ⁻⁴ (osc), 3.1 x 10 ⁻⁴ (amp)	319 ^P	353 ^m 369
374	362-382	XeCl(308) ^{177b}	p-Dioxane	4 x 10 ⁻⁴		390(sh)
374	367-380	XeCl(308) ²¹⁰	p-Dioxane	1.25 x 10 ⁻⁴		
375	370-381	XeCl(308) ²¹⁰	DMA	1.25 x 10 ⁻⁴		
381	372-388	XeCl(308) ²¹⁰	p-Dioxane	4.6 x 10 ⁻⁵ / 1.1 x 10 ⁻⁴ (E384)		
382	376-388	XeCl(308) ¹¹⁰	DMA	1.25 x 10 ⁻⁴		
376	369-381	Nd:YAG(355) ¹¹⁰	p-Dioxane	9 x 10 ⁻⁴		

DMA = N,N-dimethylacetamide, p = p-dioxane, m = methanol

REFERENCES:

110. Lumonics Inc., 105 Schneider Road, Kanata, (Ottawa), Ontario, Canada K2K 1Y3
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 Exciton and Associates, unpublished data, 1987-1989; **a.** Characterization of New Excimer Pumped UV Laser Dyes I. p-Terphenyls, D.J. Schneider, D.A. Landis, P.A. Fleitz, C.J. Seliskar, J.M.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)
204. Questek, Inc., 44 Manning Road, Billerica, MA 01821 (Tuning Curves for Model 5200B Dye Laser, PDL-3)
210. M. Szarka, private commun., 1992