



PO Box 31126  
Dayton, OH 45437  
Tel: 937.252.2989 Fax: 937.258.3937  
E-mail: info@exciton.com  
www.exciton.com

## EXALITE 416

Catalog No.: 04160  
CAS No.: N/A  
MW: 711  
Appearance: White crystals

Lasing Wavelength Max. (nm)	Range (nm)	Pump Source (nm)	Solvent	Concentration (molar)	Abs $\lambda$ -max	Fl $\lambda$ -max
416	404-427	XeCl(308) <sup>177c</sup>	p-Dioxane	$8 \times 10^{-4}$	353 <sup>P</sup>	393 <sup>C</sup>
416	403-426	Nd:YAG(355) <sup>176</sup>	p-Dioxane	$7 \times 10^{-4}$ (osc), $1.17 \times 10^{-4}$ (amp)		413 438(sh)
416	404-426	Nd:YAG(355) <sup>57</sup>	p-Dioxane	$4.3 \times 10^{-4}$ (osc), $1.0 \times 10^{-4}$ (amp)		

c = cyclohexane; p = p-dioxane

### REFERENCES:

57. Quanta-Ray, Note: Quanta-Ray is now incorporated as a part of Spectra-Physics, 1250 W. Middlefield Road, Mountain View, CA 94039
176. C. Starrs, private commun., 1991; (Conversion Efficiency 8.3%; FWHM, 408nm-422nm)
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 Exciton and Associates, unpublished data, 1987-1989; **a.** Characterization of New Excimer Pumped UV Laser Dyes I. p-Terphenyls, D.J. Schneider, D.A. Landis, P.A. Fleitz, C.J. Seliskar, J.M.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)