

EXALITE 416

Synonym: 2,2'-Bi-9*H*-fluorene, 7,7'-bis(4-ethylphenyl)-9,9,9',9'-tetrapropyl-

Catalog No.: 04160

CAS No.: 137262-28-3

MW: 707.04

Chemical Formula: C₅₄H₅₈

Appearance: White crystals

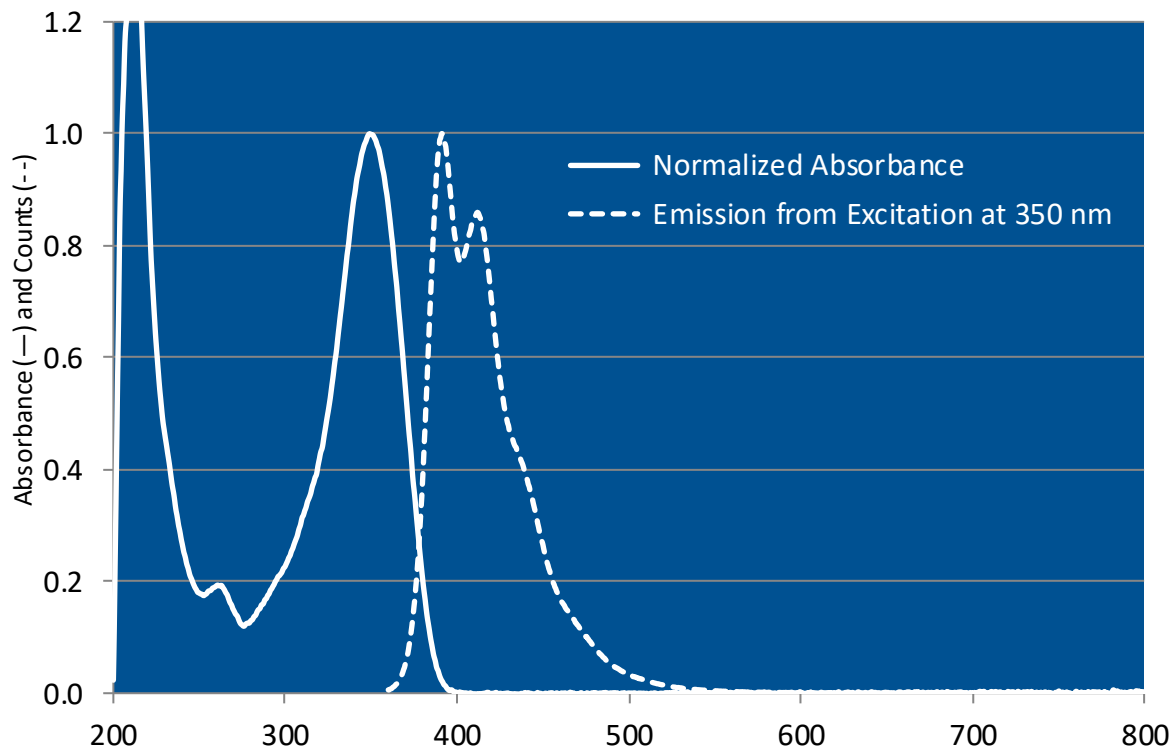
Structure:



Max. Lasing Wavelength (nm)	Range (nm)	Pump Source (nm)	Solvent	Concentration (molar)	Abs λ-max	FI λ-max
416	404-427	XeCl(308) ^{177c}	p-Dioxane	8 x 10 ⁻⁴	353 ^p	393 ^c
416	403-426 438(sh)	Nd:YAG(355) ¹⁷⁶	p-Dioxane	7 x 10 ⁻⁴ (osc), 1.17 x 10 ⁻⁴ (amp)		413
416	404-426	Nd:YAG(355) ⁵⁷	p-Dioxane	4.3 x 10 ⁻⁴ (osc), 1.0 x 10 ⁻⁴ (amp)		

c = cyclohexane; p = p-dioxane

Exalite 416 in Methanol





2150 Bixby Road
Lockbourne, OH 43137
Tel: 614.492.5610
E-mail: info.exciton@luxotticaretail.com
www.exciton.luxottica.com

The information presented above is believed to be accurate but is not a specification. The customer is fully responsible for determining the suitability of this product for use in their application. Exciton, Inc. does not represent that the information is sufficient or complete for any specific application.

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 Exciton and Associates, unpublished data, 1987-1989;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)