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LDS 867

Catalog No.: 08670
CAS No.: Not available
Molecular Weight: 575
Appearance: Dark crystalline powder

Max. (nm)	Range (nm)	Pump Source (nm)	Solvent	Concentration (molar)	Abs λ -max	Fl λ -max
946	922-963	FL ⁶⁹	DMSO	9.7×10^{-4}	606 ^m	821 ^m
927	878-960	XeCl(308) ²⁰⁴	DMSO			
861	830-880	Nd:YAG(532) ⁵³	Methanol	85mg/l(osc), 20mg/l(amp)		
863	832-900	Nd:YAG(532) ²³⁹	Ethanol	2.6×10^{-4}		
866	830-910	Nd:YAG, (side-p,532) ⁵⁷	Methanol	170mg/l(osc), 40mg/l(amp)		
865	830-910	Nd:YAG, (end-p,532) ⁵⁷	Methanol	170mg/l(osc), 20mg/l(amp)		
868/912	835-955	Nd:YAG(532) ²³⁰	MeOH/DMSO:55/45	150mg/l(osc), 79.8mg/l(amp)		
875	840-945	Nd:YAG(532) ⁵	PC(osc), 3%PC/EtOH(amp)	560mg/l(osc), 16.8mg/l(amp)		
900	850-970	Nd:YAG(532, m-l,5ps) ²⁰⁵	PC/EG, 3/7	3×10^{-3}		
862	851-890	Cu(511,578) ¹⁷⁵	Methanol	500mg/l		

m = methanol, DMSO = dimethylsulfoxide, EG = ethylene glycol, MeOH = methanol, PC = propylene carbonate

REFERENCES:

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53. Continuum, 3150 Central Expressway, Santa Clara, CA 95051, formerly, Quantel International
57. Quanta-Ray, Note: Quanta-Ray is now incorporated as a part of Spectra-Physics, 1250 W. Middlefield Road, Mountain View, CA 94039
69. Candela Laser Corporation, 530 Boston Post Road, Wayland, MA 01778-1833
175. CVL-Pumped Dye Laser For Spectroscopic Application, M. Broyer, J. Chevalere, G. Delacretaz and L. Wöste, *App. Phys. B*, 35, 31 (1984)
204. Questek, Inc., 44 Manning Road, Billerica, MA 01821 (Tuning Curves for Model 5200B Dye Laser, PDL-3)
205. A.N. Cartwright, D.S. McCallum and A.L. Smirl, Center for Laser Science and Engineering, University of Iowa; private commun., 1992; (When pumping with approximately 600mW, 532nm, 5ps pulses at 76MHz; pulses as short as 1.3ps of 52mW at 900nm were obtained)
230. Generation of 1.30- to 1.55 μ m Tunable Radiation from First Stokes Raman Shifting in Hydrogen, K.W. Aniolek, D.L. Miller, N.P. Cernansky, and K.G. Owens, *Appl. Spec.* 51(6), 820(1997)
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