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BPBD-365

Synonym: 2-[1,1'-biphenyl]-4-yl-5-[4-(1,1-dimethylethyl)phenyl]-1,3,4-oxadiazole; Butyl-PBD

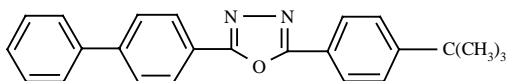
Catalog No.: 03650

CAS No.: 15082-28-7

Molecular Weight: 354.50

Appearance: White powder

Structure:



Max. (nm)	Range (nm)	Pump Source (nm)	Solvent	Concentration (molar)	Abs λ -max	FI λ -max
364	355-380	FL ³	DMF	2×10^{-4}	304 ^p	364 ^p
357	341-365	XeCl(308) ¹¹⁴	Toluene/ethanol,4/6	2.9×10^{-3}		
				(p-Terphenyl), 1×10^{-4}		
				(BPBD-365)		
361/377	354-385	XeCl(308) ¹¹⁸	n-Hexane	4.6×10^{-4} (osc)		
363	356-385	XeCl(308) ¹¹⁴	p-Dioxane	8.5×10^{-4}		
364	356-385	XeCl(308) ¹¹⁴	Ethanol	8.5×10^{-4}		
367	362-387	XeCl(308) ¹¹⁰	Toluene/ethanol,1/1	3×10^{-4}		
362	354-388	Nd:YAG(266) ⁸¹	Cyclohexane	5×10^{-3} (osc), 1.25×10^{-3} (amp)		
365/380	350-390	N ₂ (337) ¹⁸³	p-Dioxane	4.5×10^{-3}		
365	357-395	N ₂ (337) ⁴	Toluene	4×10^{-3}		
366	360-391	N ₂ (337) ¹¹⁴	Toluene/ethanol,7/3	4.5×10^{-3}		
375	360-390	N ₂ (337) ⁹⁰	Toluene/ethanol,7/3	6.7×10^{-3}		
379	357-392	N ₂ (337) ¹¹⁴	p-Dioxane	4.5×10^{-3}		

p = p-dioxane

REFERENCES:

- Phase-R Corporation, Box G-2 Old Bay Rd., New Durham, NH 03855
- The Efficient Generation of Tunable Near UV Radiation Using an N₂ Pumped Dye Laser, F.B. Dunning and R.F. Stebbings, *Optics Commun.*, 11(2), 112 (1974)
- Tuning Ranges of 266 nm Pumped Dyes in the Near UV, L.D. Ziegler and B.S. Hudson, *Optics Commun.*, 32(1), 119 (1980)
- Jobin Yvon, 16-18 rue du Canal B.P. 118, 91163 Longjumeau Cedex France
- Lumonics Inc., 105 Schneider Road, Kanata, (Ottawa), Ontario, Canada K2K 1Y3
- Optimization of Spectral Coverage in an Eight-Cell Oscillator-Amplifier Dye Laser Pumped at 308nm, F. Bos, *Appl. Optics*, 20, 3553 (1981)
- The XeCl Excimer Laser: A Powerful and Efficient UV Pumping Source for Tunable Dye Lasers, H. Telle, W. Huffer and D. Basting, *Optics Commun.*, 38(5,6), 402 (1981)
- Laser Science, Inc., 26 Landsdowne Street, Cambridge, MA 02139

For a current list of biology, biological stain, or biochemistry references for BPBD-365 from PubMed, click on the following link:

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