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COUMARIN 487

Synonym: Not Available
Catalog No.: 04870
Appearance: Yellow crystalline solid
CAS No.: Not Available
MW: 297
Structure: Not Available

Lasing Wavelength Max. (nm)	Range (nm)	Pump Source (nm)	Solvent	Concentration (molar)	Abs λ -max	Fl λ -max
	474-498	FL ¹⁵⁶	Ethanol	2×10^{-4}	389 ^e	473 ^e
	487-507	FL ¹⁵⁶	EtOH/H ₂ O, 1/1	2×10^{-4}		
	481-503	FL ¹⁵⁶	Methanol	2×10^{-4}		
487	470-524	XeCl(308) ¹⁵⁸	Methanol	5.6×10^{-3}		
490	470-512	Ar(uv,bb) ⁶⁸	BzOH/EG			
492	475-506	Ar(uv,SF) ⁶⁸	BzOH/EG			
493	467-525	Ar ¹⁷³	BzOH/EG, 1/10	3.2×10^{-3}		

EtOH/H₂O=ethanol/water, BzOH=benzyl alcohol, EG=ethylene glycol, e=ethanol

REFERENCES:

68. Coherent Inc., 3210 Porter Dr., Palo Alto, CA 94304
156. Fluorescence and Lasing Characteristics of some Long-Lived Flashlamp-Pumpable, Oxazole Dyes, A.N. Fletcher, R.A. Henry, R.F. Kubin and R.A. Hollins, *Optics Commun.*, 48(5), 352 (1984)
158. Lasing Characteristics of the New Dyes in Methanol, W. Young, Lumonics, 105 Schneider Rd., Kanata (Ottawa), Ontario, Canada K2K 1Y3
173. J.A. Hoffnagle, private commun., 1987; CR 599-21 standing wave laser with Coumarin 515 optics (reflecting 460-600 nm), 2% output coupler, laser running multimode with 3-Plate Lyot Filter. At 793 nm, 23 mW of stable single mode output obtained.

For a current list of biology, biological stain, or biochemistry references for Coumarin 487 from PubMed, click on the following link:

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