



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

FLUOROL 555

Synonym: 2-butyl-6-(butylamino)-1H-benz[de]isoquinoline-1,3(2H)-dione; Fluorol 7GA

Catalog No.: 05550

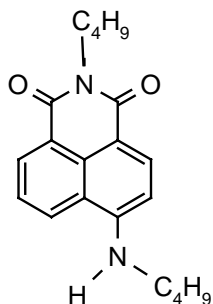
CAS No.: 19125-99-6

Chemical Formula: C₂₀H₂₄N₂O₂

MW: 324.41

Appearance: Yellow-orange crystals

Structure:



Lasing Wavelength Max. (nm)	Range (nm)	Pump Source (nm)	Solvent	Concentration (molar)	Abs λ -max	FI λ -max
	550-580	FL ⁷⁰		1.8 x 10 ⁻⁴ (F555), 1 x 10 ⁻⁴ (C540)	442 ^m	536 ^m
552		FL ²⁵	50ccMeOH/120cc LO/3.9LH ₂ O/COT pH=6(HCl)	2.3 x 10 ⁻⁴		
555	530-608	FL ²⁶	Alcohol or water			
570	540-590	FL ³	Ethanol	1 x 10 ⁻⁴		
574	542-592	FL ³	Methanol	1 x 10 ⁻⁴		
554	518-596	XeCl(308) ¹¹⁴	Methanol	7 x 10 ⁻³		

MeOH = methanol, LO = Ammonyx LO, COT = cyclooctatetraene, m = methanol

REFERENCES:

- Phase-R Corporation, Box G-2 Old Bay Rd., New Durham, NH 03855
- D. Blazej, private commun., 1977
- Fluorol 7GA: An Efficient Yellow-Green Dye for Flashlamp-Pumped Lasers, M. Lambropoulos, *Optics Commun.*, 15(1), 35 (1975)
- Passive Mode-Locking of a Flashlamp-Pumped Fluorol 7GA Dye Laser in the Green Spectral Region, E. Lill, S. Schneider and F. Dörr, *Optics Commun.*, 20(2), 223 (1977)
- Optimization of Spectral Coverage in an Eight-Cell Oscillator-Amplifier Dye Laser Pumped at 308nm, F. Bos, *Appl. Optics*, 20, 3553 (1981)

For a current list of biology, biological stain, or biochemistry references for Fluorol 555 from PubMed, click on the following link:

[Fluorol 555 or Fluorol 7GA](#)