

## FLUOROL 555

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

**Catalog No.:** 05550

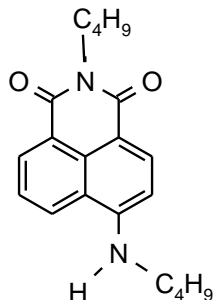
**CAS No.:** 19125-99-6

**Chemical Formula:** C<sub>20</sub>H<sub>24</sub>N<sub>2</sub>O<sub>2</sub>

**MW:** 324.41

**Appearance:** Yellow-orange crystals

**Structure:**

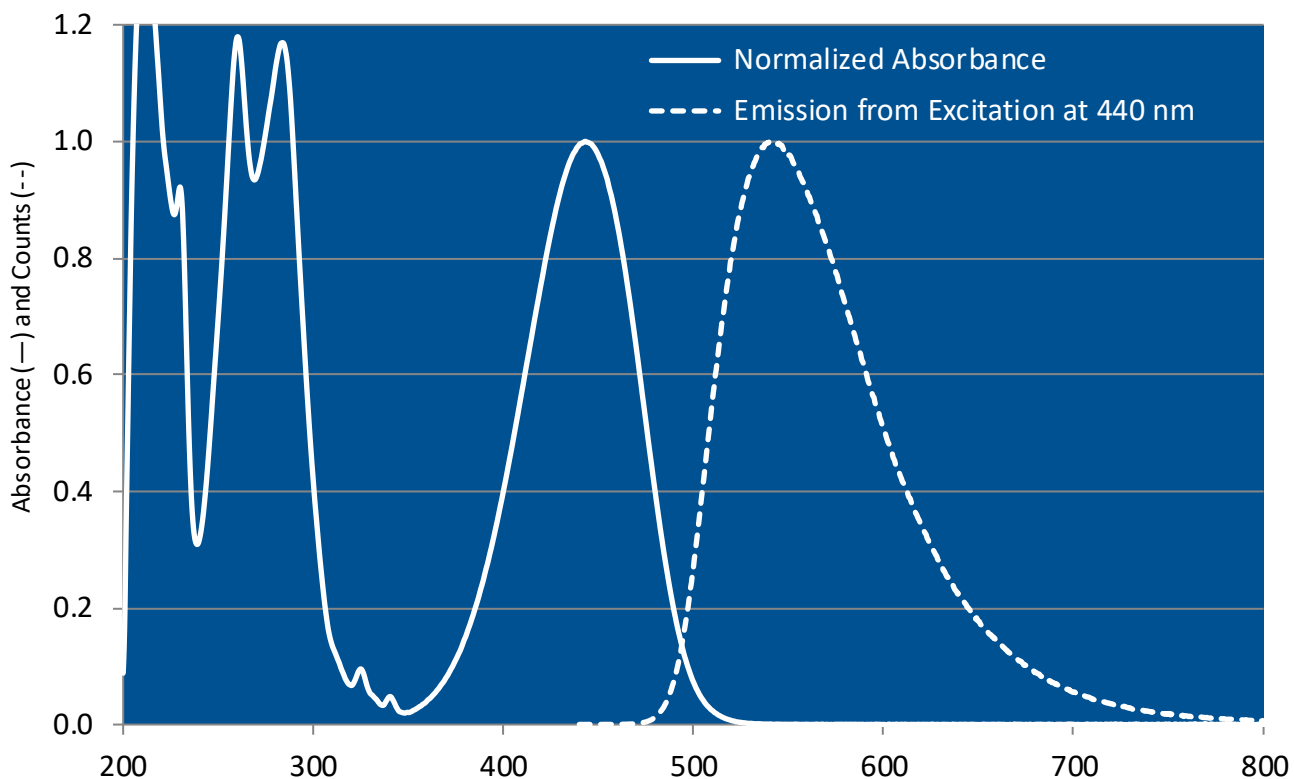


### Lasing Wavelength

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

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

### Fluorol 555 in Methanol



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:

3. Phase-R Corporation, Box G-2 Old Bay Rd., New Durham, NH 03855
25. D. Blazej, private commun., 1977
26. Fluorol 7GA: An Efficient Yellow-Green Dye for Flashlamp-Pumped Lasers, M. Lambropoulos, *Optics Commun.*, 15(1), 35 (1975)
70. 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)
114. 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 Fluorol555 from PubMed, click on the following link:

[Fluorol 555 or Fluorol 7GA](#)