

LD 688*

Synonym: [2-methyl-6-[2-(2,3,6,7-tetrahydro-1H,5H-benzo[*ij*]quinolizin-9-yl)ethenyl]-4H-pyran-4-ylidene]propanedinitrile

Catalog No.: 06880

CAS No.: 51325-95-2

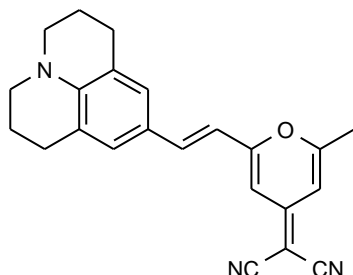
MW: 355.44

Chemical Formula: C₂₃H₂₁N₃O

Appearance: Dark green crystals

Molar Absorptivity (in DMSO): 4.5 x 10⁴ L mole⁻¹ cm⁻¹

Structure:

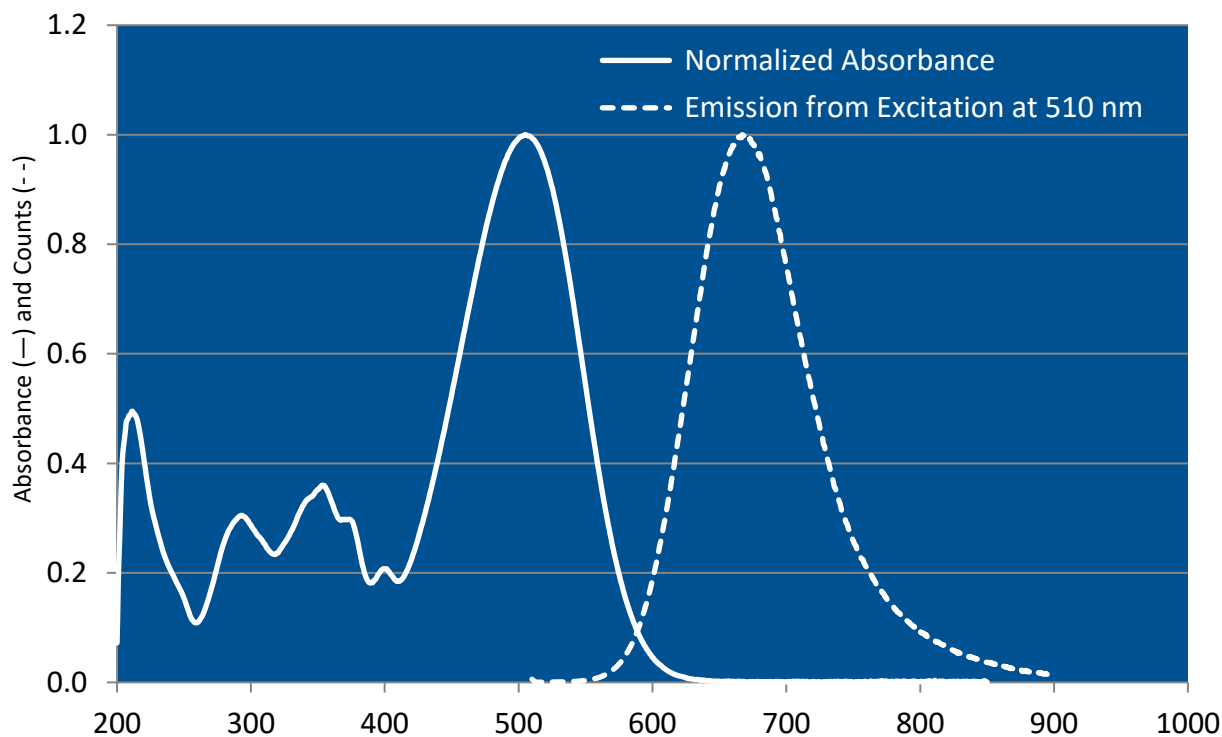


Lasing Wavelength	Max. Range	Pump Source	Solvent	Concentration	Abs	FI
(nm)	(nm)	(nm)		(molar)	λ-max	λ-max
688	653-725	Nd:YAG(532) ⁹²	DMSO	175mg/l(osc, pre-amp), 24mg/l(amp)	516 ^S	677 ^S
700	660-717	Nd:YAG(532) ¹³⁴	DMSO			
692	665-725	N ₂ (337) ¹³⁵	DMSO	3.3 x 10 ⁻³		
663	640-710	Ar(C699-21,SF) ²²⁹	EPH	3.3 x 10 ⁻³		
680	665-735	Ar(SF) ¹²⁹	BzOH/G,4/1			
695	660-760	Ar ¹²⁹	BzOH/G,4/1			

BzOH = Benzyl Alcohol; DMSO, S = Dimethylsulfoxide; EPH = 2-phenoxyethanol; G = Glycerol

* Equivalent species may be provided or substituted

LD 688 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:

- 92. K. Swift, private commun., 1980
- 129. Argon Pumped Dye Laser Operation in the 690-700nm Region, J. Heber and A. Szabo, *IEEE J. Quantum Electron.*, QE20(1), 9 (1984)
- 134. D. Heiman, private commun., 1983
- 135. M. Carrabba, NRG Nitrogen Laser Pumped, private commun., 1983
- 229. Continuous-wave Dye Lasers in the DCM Region, P. Hammond and D. Cooke, *Appl. Optics* 31(33), 7095 (1992)

For a current list of biology, biological stain, or biochemistry references for LD 688 from PubMed, click on the following link:

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