

LDS 698

Synonym: [2-[4-[4-(dimethylamino)phenyl]-1,3-butadienyl]-1-ethylpyridinium monoperchlorate; Pyridine 1

Catalog No.: 06980

CAS No.: 87004-02-2

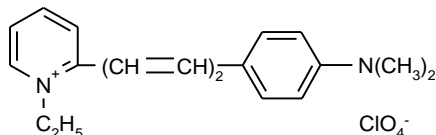
Chemical Formula: C₁₉H₂₃N₂.ClO₄

Molecular Weight: 378.85

Appearance: Purple needles

Molar Absorptivity (in methanol): 4.23 x 10⁴ L mole⁻¹ cm⁻¹

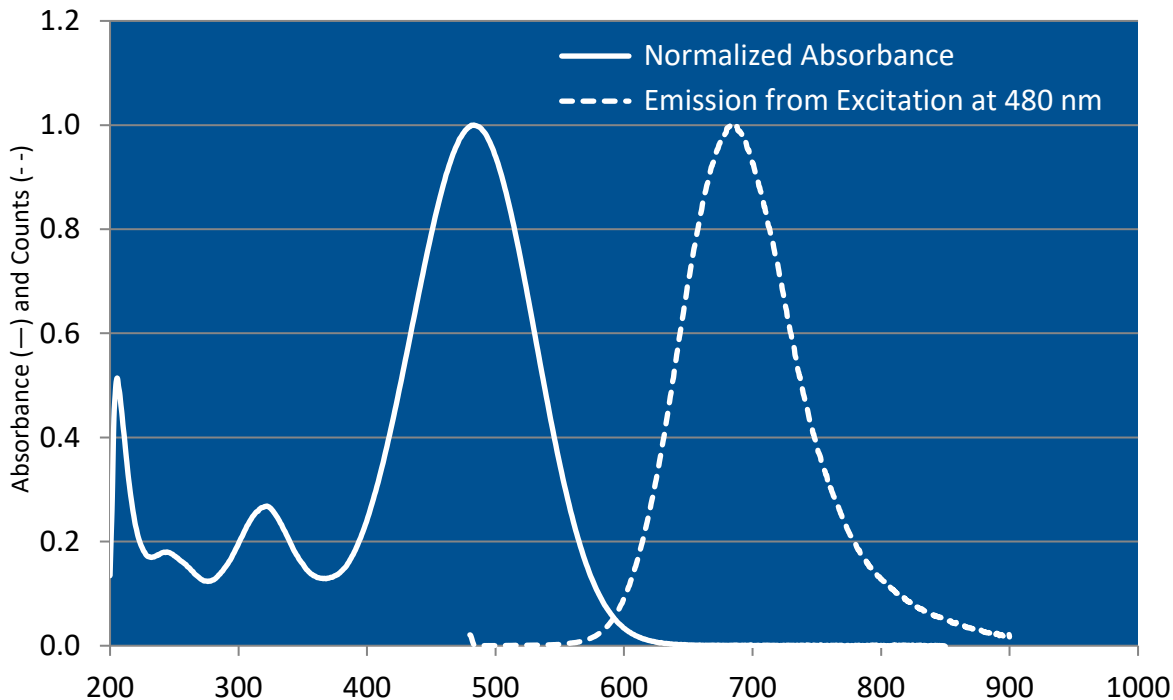
Structure:



Max. Lasing Wavelength (nm)	Range (nm)	Pump Source (nm)	Solvent	Concentration (molar)	Abs λ-max	Fl λ-max
690	645-730	Nd:YAG(532) ⁵	Ethanol	1.5 x 10 ⁻³ (osc), 5.8 x 10 ⁻⁵ (amp)	476 ^m	668 ^m
692	659-732	Nd:YAG(532) ¹¹⁰	Methanol	3 x 10 ⁻⁴		
692	667-720	Nd:YAG(532) ²³⁹	Ethanol	6.6 x 10 ⁻⁴		
693	661-740	Nd:YAG(532) ⁵³	Methanol	2 x 10 ⁻⁴ (osc), 5 x 10 ⁻⁵ (amp)		
693	664-755	Nd:YAG(355) ¹¹⁰	Methanol	1 x 10 ⁻³		
693	664-722	Nd:YAG(355) ²³⁹	Ethanol	1.2 x 10 ⁻³		
695	658-738	Nd:YAG(side-p,532) ⁵⁷	Methanol	6 x 10 ⁻⁴ (osc), 3 x 10 ⁻⁴ (amp)		
695	658-738	Nd:YAG(end-p,532) ⁵⁷	Methanol	6 x 10 ⁻⁴ (osc), 7.7 x 10 ⁻⁵ (amp)		
695	660-730	Nd:YAG(d,m-l,QS) ¹⁶⁸				
709	688-740	Nd:YAG(532) ¹¹³	DMSO	6.6 x 10 ⁻⁴ (osc), 3.2 x 10 ⁻⁴ (amp)		
690	678-728	N ₂ (337) ¹⁸³	Methanol	11.2mg/20ml		
718	675-750	N ₂ (337) ¹⁴⁴	DMSO			
707	670-778	Ar ^{127b}	PC/EG			
	673-733	Ar(m-l,514) ¹³⁶	PC/EG,15/85	1.8 x 10 ⁻³		
726	688-808	Ar(458-514) ¹⁷	PC/EG,15/85	1.2 x 10 ⁻³		
684	661-724	Cu(511,578) ¹⁷⁵	Methanol	3.1 x 10 ⁻³		

DMSO = Dimethylsulfoxide; EG = Ethylene Glycol; PC = Propylene Carbonate; m = Methanol

LDS 698 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:

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53. Continuum, 3150 Central Expressway, Santa Clara, CA 95051, formerly, Quantel International
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[LDS 698 or Pyridine 1](#)