

LDS 950

Synonym: 5,6-dichloro-2[8-(p-dimethylaminophenyl)-2,4-neopentylene-1,3,5,7-octatetraenyl]-3-ethylbenzothiazolium perchlorate; or Benzothiazolium, 5,6-dichloro-2-[[3-[4-[4-(dimethylamino)phenyl]-1,3-butadienyl]-5,5-dimethyl-2-cyclohexen-1-ylidene]methyl]-3-ethyl perchlorate; Styryl 14

Catalog No.: 22500

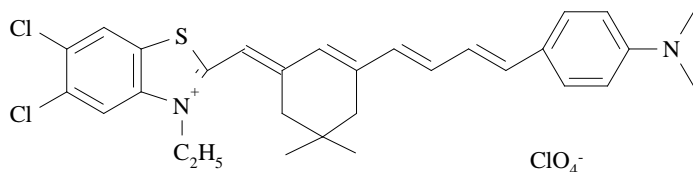
CAS No.: 94492-46-3

MW: 624.02

Chemical Formula: C₃₀H₃₃Cl₂N₂S.ClO₄

Appearance: Green crystals

Structure:

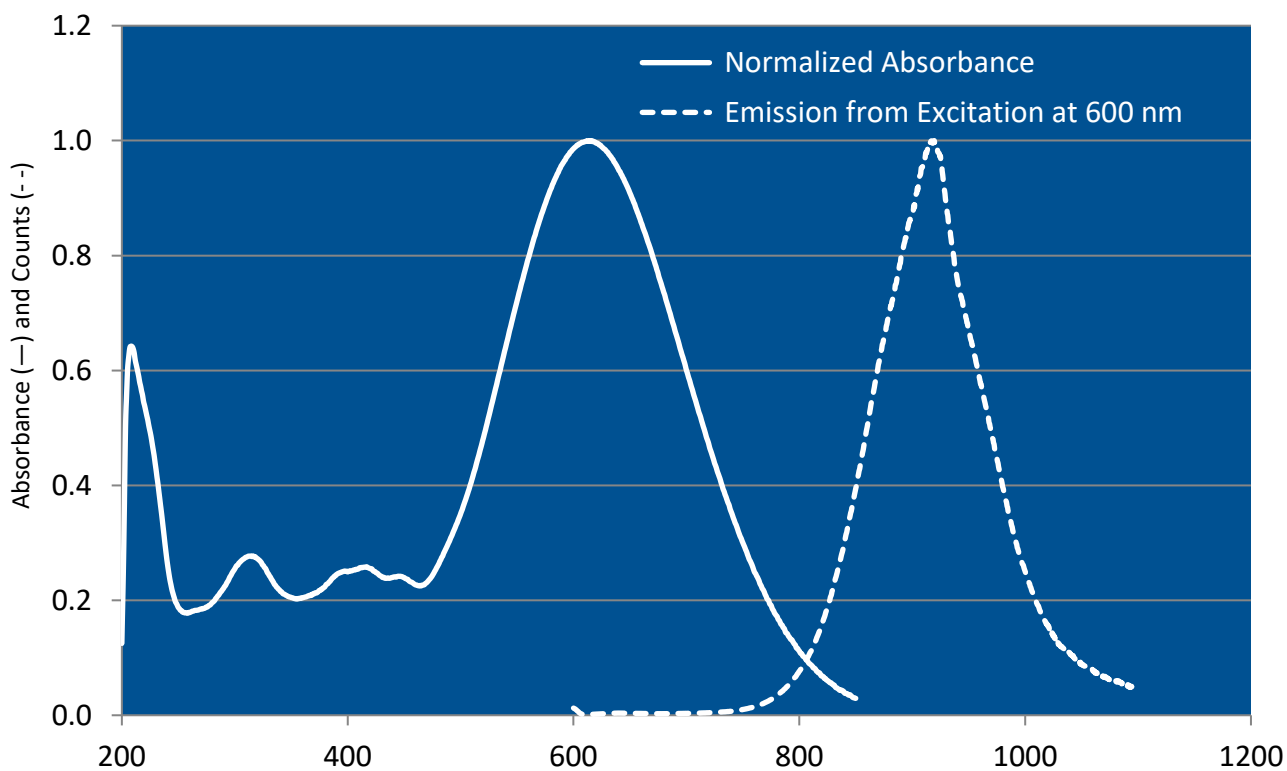


Lasing Wavelength

Max. (nm)	Range (nm)	Pump Source (nm)	Solvent	Concentration (molar)	Abs λ-max	Fl λ-max
980	928-1084	Ar(all lines, 7.5W) ¹⁴⁵	PC/EG:15/85	~3x10 ⁻³	615 ^m	---

EG = ethylene glycol; m = methanol; PC = propylene carbonate

LDS 950 in Methanol





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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:

145. Ar-Ion-Laser-Pumped Infrared Dye Laser at 875-1084nm, K. Kato, *Optics Lett.*, 9(12), 544 (1984)

For a current list of biology, biological stain, or biochemistry references for LDS 950 from PubMed, click on the following link:

[LDS 950 or Styryl 14](#)