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## 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

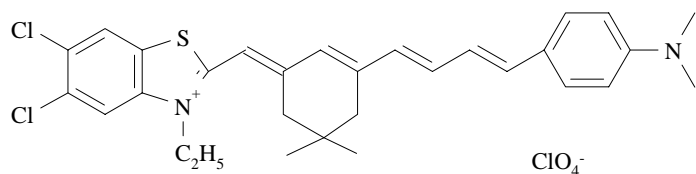
**CAS No.:** 94492-46-3

**MW:** 624.02

**Chemical Formula:** C<sub>30</sub>H<sub>33</sub>Cl<sub>2</sub>N<sub>2</sub>S.ClO<sub>4</sub>

**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) <sup>145</sup>	PC/EG:15/85	~3x10 <sup>-3</sup>	615 <sup>m</sup>	---

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

### 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](#)