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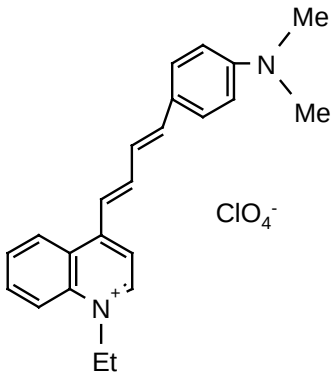
LDS 798

Synonym: 4-[4-[4-(dimethylamino)phenyl]-1,3-butadienyl]-1-ethyl quinolinium perchlorate; Styryl 11
Catalog No.: 07980
CAS No.: 92479-59-9
Chemical Formula: $C_{23}H_{25}N_2.ClO_4$ **MW:** 428.9
Appearance: Dark maroon crystals, no odor
Structure:



Lasing Wavelength Max. (nm)	Range (nm)	Pump Source (nm)	Solvent	Concentration (molar)	Abs λ-max	Fl λ-max
785	758-826	Nd:YAG(532)[239]	Ethanol	3.3×10^{-4}	558[m]	766[m]
798	765-845	Nd:YAG(532)[57]	Methanol			
798		Nd:YAG(m-l)[160]	PC/EG	1.33×10^{-3}		
795	768-850	Ar[127]	PC/EG,15/85	1.2×10^{-3}		

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

REFERENCES:

57. Quanta-Ray, Note: Quanta-Ray is now incorporated as a part of Spectra-Physics, 1250 W. Middlefield Road, Mountain View, CA 94039

127. **a**. Cw Operation of Laser Dyes Styryl-9 and Styryl-11, J. Hoffnagle, L. Ph. Roesch, N. Schlumpf and A. Weis, *Optics Commun.*, 42, 267 (1982); **b**. K. Kato, see Reference 5 in 127 **a** ; **c**. K. Kato, unpublished results

160. G. Olbright, private commun., 1988; Generation of Tunable Near-Infrared Amplified Femtosecond Laser Pulses and Time-Correlated White-Light Continuum, G.R. Olbright and G.R. Hadley, *J. Opt. Soc. Am. B*, 6(7), 1363 (1989)

239. P. Jauernik, private commun., Sirah Laser- und Plasmatechnik, 2003.

For a current list of biology, biological stain, or biochemistry references for LDS 798 from PubMed, click on the following link:

LDS 798 or Styryl 11