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LDS 730

Synonym: 2-[4-[4-(dimethylamino)phenyl]-1,3-butadienyl]-1,3,3-trimethyl-3H-indolium perchlorate; Styryl 6

Catalog No.: 07300

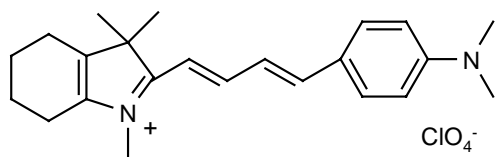
CAS No.: 76433-27-7

Chemical Formula: C₂₃H₂₇N₂.ClO₄

MW: 430.93

Appearance: Bright blue crystalline solid

Structure:



Lasing Wavelength Max. (nm)	Range (nm)	Pump Source (nm)	Solvent)	Abs λ -max	Fl λ -max
716	692-743	Nd:YAG(532) ⁵⁷	Methanol	603 ^m	668 ^m
730	685-775	Nd:YAG(532) ⁸³	EG		

EG = ethylene glycol, m = methanol

REFERENCES:

57. Quanta-Ray, Note: Quanta-Ray is now incorporated as a part of Spectra-Physics, 1250 W. Middlefield Road, Mountain View, CA 94039
83. High-Efficiency, High-Power Difference-Frequency Generation at 2-4 μ m in LiNbO₃, K. Kato, *IEEE J. Quantum Electron.*, QE16(10), 1017 (1980)

For a current list of biology, biological stain, or biochemistry references for LDS 730 from PubMed, click on the following link:

[LDS 730 or Styryl 6](#)