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LDS 925

Synonym: 2-[p-dimethylaminophenyl]-2,4-neopentylene-1,3,5,7-octatetraenyl]-3-ethyl-(6,7-benzo)-benzothiazolium perchlorate; Styryl 13

Catalog No.: 09250

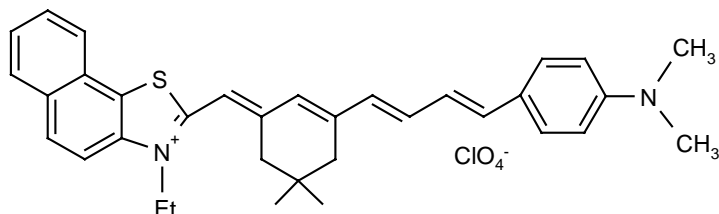
CAS No.: 94507-05-8

MW: 605.18

Chemical Formula: C₃₄H₃₇ClN₂O₄S

Appearance: Green crystals

Structure:



Lasing Wavelength Max. (nm)	Range (nm)	Pump Source (nm)	Solvent	Concentration (molar)	Abs λ-max
960	902-1023	XeCl(308) ¹⁶⁵	DMSO	1.16 x 10 ⁻³ (osc), 3.8 x 10 ⁻⁴ (amp)	581 ^s 585pc/eg,1/3
960	920-1000	XeCl(308) ²⁰⁴	DMSO	8.3 x 10 ⁻⁴ (osc), 6.2 x 10 ⁻⁴ (amp)	
955	870-1020	Nd:YAG(m-l,532) ¹⁶⁴	PC/EG,15/85	2 x 10 ⁻³	
975	930-1040	Nd:YAG(m-l,532) ¹⁶⁴	PC/EG,15/85	2 x 10 ⁻³	
930/960	890-980	Nd:YAG(532) ¹⁶³	Methanol	2.3 x 10 ⁻⁴ (osc), 2.9 x 10 ⁻⁵ (amp)	
925	875-1050	Ar ¹⁴⁵	PC/EG,15/85	2 x 10 ⁻³	
930	880-1030	Ar ¹⁷	PC/EG,15/85		
957	924-1030	Ar ¹⁶⁶	PC/EG,15/85	2 x 10 ⁻³	

DMSO = dimethylsulfoxide, EG = ethylene glycol; PC = propylene carbonate, s = DMSO

REFERENCES:

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