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SULFORHODAMINE 640

Synonym: 2',3',6',7',12',13',16',17',-octahydro-spiro[3H-2,1-benzoxathiole-3,9'-[1H,5H,9H,11H,15H]xantheno[2,3,4-ij:5,6,7-i'j']diquinolizine]-6-sulfonic acid, 1,1-dioxide, sodium salt; Like Sulforhodamine 101

Catalog No.: 06500

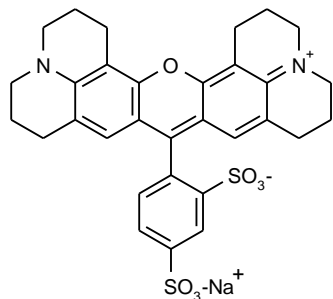
MW: 629.70

Chemical Formula: C₃₁H₂₉N₂O₇S₂·Na

CAS No.: Not available

Appearance: Dark green crystals

Structure:



Max. Lasing Wavelength (nm)	Range (nm)	Pump Source (nm)	Solvent	Concentration (molar)	Abs λ-max	Fl λ-max
645	620-670	FL ³	Ethanol	1 x 10 ⁻⁴	576 ^e	602 ^e
656	615-678	FL ⁶⁹	Methanol	4 x 10 ⁻⁵		
671	660-670	FL ⁶⁹	Methanol	4 x 10 ⁻⁵ (SR640), 0.5 x 10 ⁻⁵ (Ox720)		
653.8		FL (Triaxial) ²²⁷	Acrylic Copolymer	1 x 10 ⁻⁴		
652	615-667	XeCl(308) ¹¹⁰	Methanol	1 x 10 ⁻³		
609	603-630	Nd:YAG(532) ⁵⁷	Methanol	4 x 10 ⁻⁴ (osc), 5.9 x 10 ⁻⁵ (amp)		
630,652	620-675	Nd:YAG(532,25kHz, 40 watts) ²²⁹	MeOH/H ₂ O,1/1	1.5 x 10 ⁻⁴		
615	605-628	Nd:YAG(532)→ F548(544) ¹⁴⁸	MeOH/H ₂ O,1/1	3.8 x 10 ⁻⁴ (osc), 7.31 x 10 ⁻⁵ (amp)		
	590-640	Nd:YAG(532) ⁷⁹	Ethanol(acidic)	1.5 x 10 ⁻⁴		
619	607-634	Nd:YAG(532) ¹¹⁰	Methanol	2 x 10 ⁻⁴		
656		(cw) ⁷⁵	MeOH/H ₂ O,1/1	8.3 x 10 ⁻⁴		
668	646-680	Ar(vis) ⁸⁷	EG	3 x 10 ⁻³ (SR640), 1 x 10 ⁻³ (R590)		

e = ethanol; MeOH/H₂O = methanol/water; EG = Ethylene Glycol



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