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IR 125

Synonym: 2-[7-[1,3-dihydro-1,1-dimethyl-3-(4-sulfobutyl)-2H-benz[e]indol-2-ylidene]-1,3,5-heptatrienyl]-1,1-dimethyl-3-(4-sulfobutyl)-1H-benz[e]indolium hydroxide, inner salt, sodium salt

Catalog No.: 09030

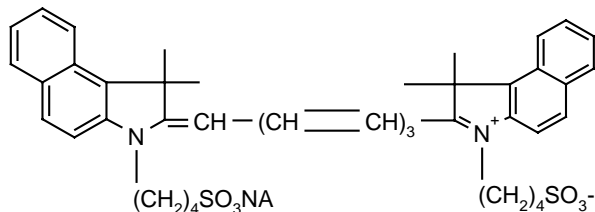
CAS No.: 3599-32-4

Chemical Formula: C₄₃H₄₈N₂O₆S₂.Na

MW: 774.97

Appearance: Dark green crystals

Structure:



Max. Lasing Wavelength (nm)	Range (nm)	Pump Source (nm)	Solvent	Concentration (molar)	Abs λ -max	Fl λ -max
940		FL ⁹⁹	DMSO	1 x 10 ⁻⁴	795 ^S	833 ^S
863	846-907	Nd:YAG(532) ⁵³	DMSO			
903		Nd:YAG→C720(700) ⁶⁶	DMSO	2 x 10 ⁻⁴		
913	(bb)	Nd:YAG(532) ¹⁰¹	DMSO	5 x 10 ⁻⁴		
887	872-935	N ₂ (337) ¹¹¹	DMSO	1.3 x 10 ⁻³ (IR-125), 1.3 x 10 ⁻³ (IR-144)		
908	884-930	N ₂ (337) ⁹⁰	DMSO			
910	884-947	N ₂ (337) ¹⁸³	DMSO	40mg/20ml		
915	879-943	N ₂ (337) ¹¹¹	DMSO	1.67 x 10 ⁻³		
915	885-947	N ₂ (337) ¹¹¹	DMSO	2.5 x 10 ⁻³		
870	833-937	Ruby(694) ¹³³	DMSO	1 x 10 ⁻⁴		

DMSO = Dimethylsulfoxide; s= DMSO

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