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CRESYL VIOLET 670

Synonym: 5-imino-5H-benzo[a]phenoxazin-9-amine monoperchlorate

Catalog No.: 06700

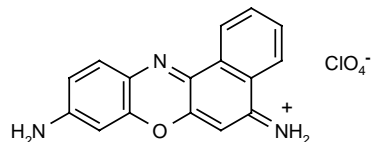
CAS No.: 41830-80-2

MW: 361.74

Chemical Formula: C₁₆H₁₁N₃O.HClO₄

Appearance: Green crystals

Structure:



Max. (nm)	Range (nm)	Pump Source (nm)	Solvent	Concentration (molar)	Abs λ-max	FI λ-max
	645-705	FL ³¹	Methanol		601 ^e	630 ^e
655	646-697	FL ³	Methanol	5 x 10 ⁻⁵	594 ^m	
659	650-695	FL ³	Ethanol	5 x 10 ⁻⁵		
664	631-705	FL ^{11a}	Methanol			
647	634-690	XeCl(308) ¹¹⁴	Methanol	1 x 10 ⁻³		
649	634-680	XeCl(308) ¹¹⁴	Methanol	2.8 x 10 ⁻⁴ (CV670). 1.2 x 10 ⁻³ (R640)		
653	634-686	XeCl(308) ¹¹⁰	Methanol	3 x 10 ⁻⁴ (CV670) 5 x 10 ⁻⁴ (R590)		
675	644-703	XeCl(308) ¹¹⁰	Methanol	6 x 10 ⁻³		
682	651-706	XeCl(308) ¹¹⁸	Ethanol	2 x 10 ⁻³ (osc)		
643	630-664	XeF(351) ¹⁵⁴	Ethanol	6.4 x 10 ⁻³ (CV670)+ 2 x 10 ⁻³ (R610)		
315*	302-326*	Nd:YAG(532) ³²	HFIP/H ₂ O			
317*		Nd:YAG(532) ⁵⁷				
320*	310-335*	Nd:YAG(532) ³²	MeOH/H ₂ O			
633	615-655	Nd:YAG(532) ⁵⁵				
637	620-660	Nd:YAG(532) ⁵⁷	Methanol			
638	629-655	Nd:YAG(532)→F548(544) ¹⁴⁸	Methanol	3.8 x 10 ⁻⁴ (CV670)+ 5.2 x 10 ⁻⁵ (R640)(osc), 6.8 x 10 ⁻⁵ (CV670)+ 3.1 x 10 ⁻⁵ (R640)(amp)		
639	620-670	Nd:YAG(532) ⁵⁸				
640	620-670	Nd:YAG(532) ³²	MeOH/H ₂ O			
646	625-660	Nd:YAG(532) ⁵⁴	Methanol	2 x 10 ⁻⁴		
647		Nd:YAG(532) ³³		4 x 10 ⁻⁴		
660	641-687	N ₂ (337) ⁵	Ethanol	2.5 x 10 ⁻³ (R590), 3.3 x 10 ⁻³ (CV670)		
673	650-696	Ar(cw) ^{14a}	EG			
695	675-708	Ar(458-514) ¹⁷	EG	2.4 x 10 ⁻³ (CV670)+(R590)		

* Frequency Doubled

HFIP/H₂O=hexafluoroisopropanol/water, MeOH/H₂O=methanol/water, EG=ethylene glycol, e =ethanol, m=methanol



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