

EXALITE 398

Synonyms: 7,7'-Bis(dodecyloxy)-9,9,9',9'-tetrapropyl-2,2'-bi-9*H*-fluorene
 2,2'-Bi-9*H*-fluorene, 7,7'-bis(dodecyloxy)-9,9,9',9'-tetrapropyl-

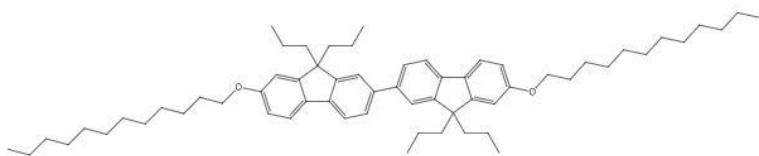
Catalog No.: 03980

CAS No.: 138531-92-7 **MW:** 867.38

Chemical Formula: C₆₂H₉₀O₂

Appearance: White crystalline

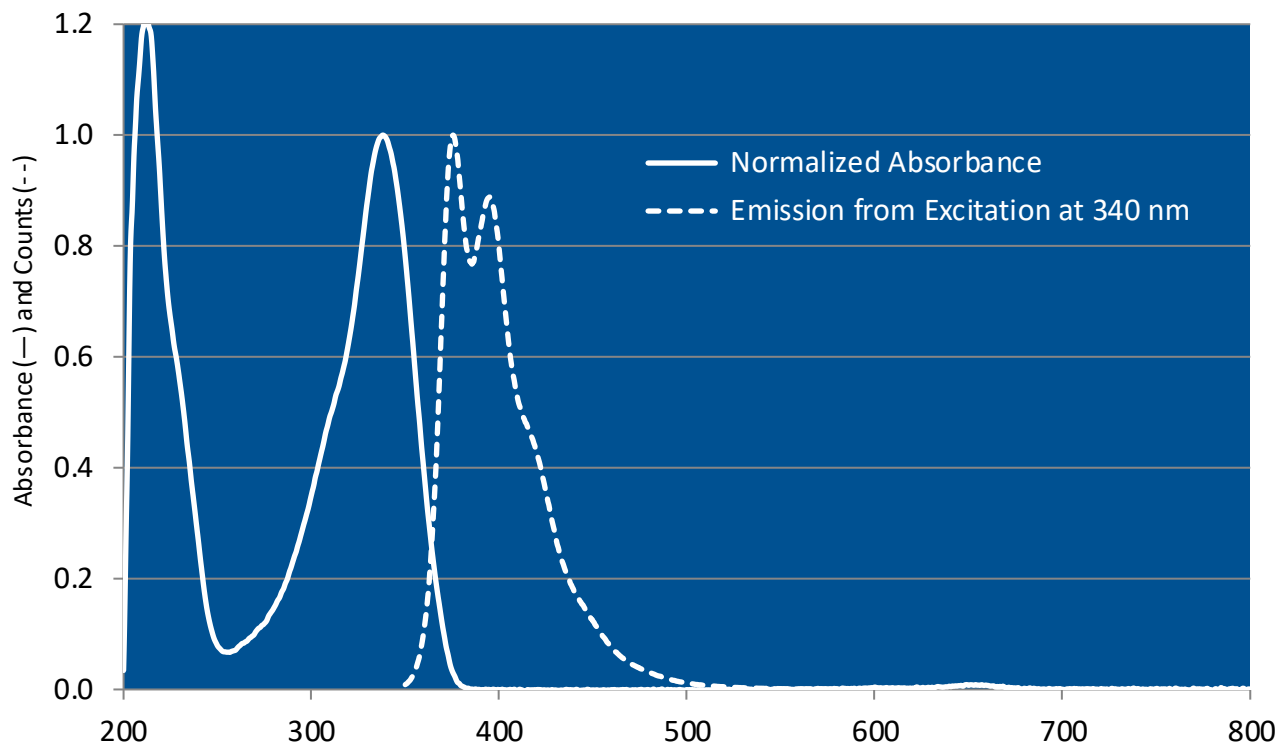
Structure:



Max. (nm)	Lasing Wavelength Range (nm)	Pump Source (nm)	Solvent	Concentration (molar)	Abs λ-max	FI λ-max
398	384-420 383,400 ^P	XeCl(308) ²⁰⁴	p-Dioxane	4 x 10 ⁻⁴ (osc), 3.8 x 10 ⁻⁴ (amp)	338 ^P	
398	387-407	XeCl(308) ^{177b}	p-Dioxane	4.5 x 10 ⁻⁴		
399	391-405	XeCl(308) ²¹⁰	p-Dioxane	2.5 x 10 ⁻⁴		
401	392-410	XeCl(308) ²¹⁰	DMA	2.5 x 10 ⁻⁴		
403	395-412	XeCl(308) ¹¹⁰	p-Dioxane	2.5 x 10 ⁻⁴		
409	397-419	XeCl(308) ¹¹⁰	DMA	2.5 x 10 ⁻⁴		
398	391-404	Nd:YAG(355) ¹¹⁰	p-Dioxane	6.5 x 10 ⁻⁵		
398	393-403	Nd:YAG(355) ²³⁹	p-Dioxane	2.1 x 10 ⁻⁴		

DMA = N,N-dimethylacetamide, p = p-dioxane

Exalite 398 in Methanol



The information presented above is believed to be accurate but is not a specification. The customer is fully responsible for determining the suitability of this product for use in their application. Exciton, Inc. does not represent that the information is sufficient or complete for any specific application.

REFERENCES:

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 - c. Characterization of New Excimer Pumped UV Laser Dyes 3. p-Quinqui-, Sexi-, Octi- and Deciphenyls, C.J. Seliskar, D.A. Landis, J.M. Kauffman, M.A. Aziz, R.N. Steppel, C.J. Kelley, Y. Qin and A. Ghorghis, *Laser Chem.*, 13(1), 19 (1993)
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