

## EXALITE 360

**Synonym:** 2,2',5,5'-tetramethyl-,1':4'1":4",1'''-quaterphenyl

**Catalog No.:** 03601

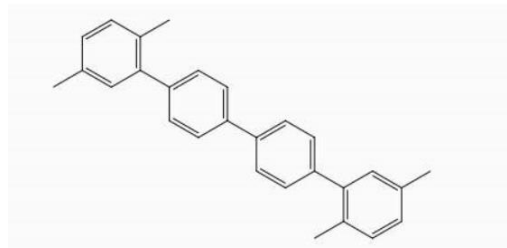
**CAS No.:** 42526-94-3

**MW:** 362.52

**Chemical Formula:** C<sub>28</sub>H<sub>26</sub>

**Appearance:** White crystalline powder

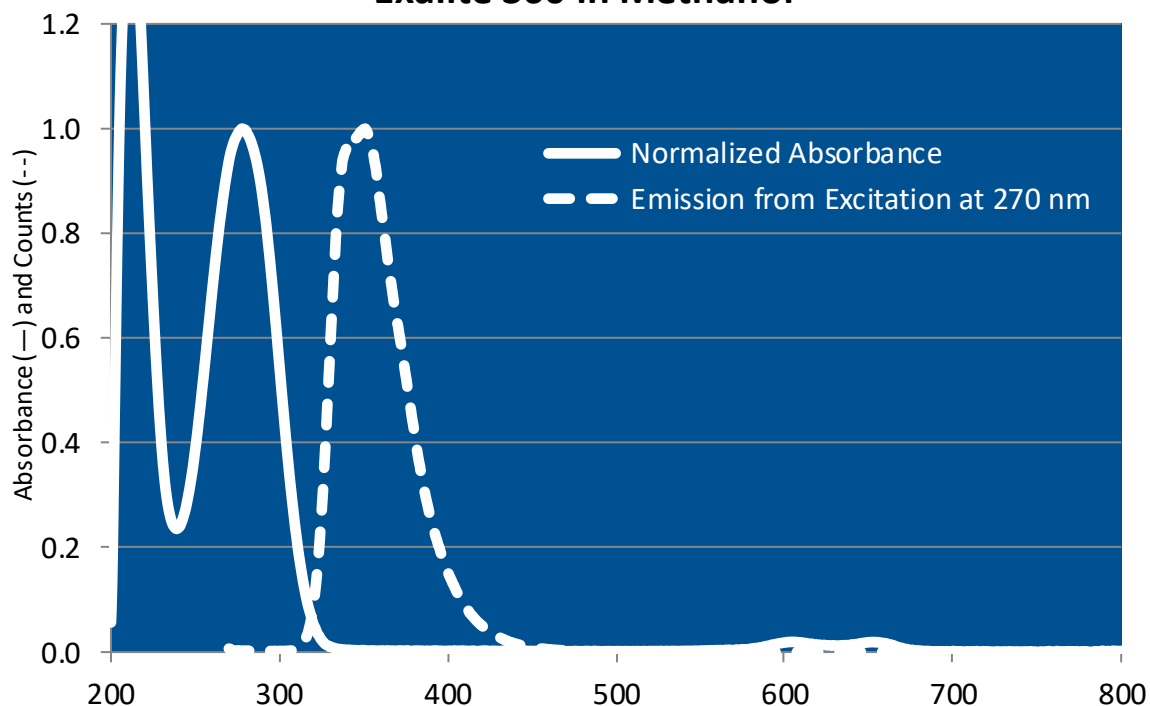
**Structure:**



Lasing Wavelength Max. (nm)	Range (nm)	Pump Source (nm)	Solvent	Concentration (molar)	Abs λ-max	Fl λ-max
358	342-371	XeCl(308)	p-dioxane	9x10 <sup>-4</sup>	278 <sup>e</sup>	361 <sup>p-d</sup>
359	347-370	XeCl(308) <sup>242</sup>	p-dioxane	1.7x10 <sup>-3</sup>	282 <sup>p-d</sup>	

c = cyclohexane, e = ethanol, p-d = p-dioxane

### Exalite 360 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.

**Quantum Yields and Lifetimes**

<b>Absorbance (nm)</b>	<b>Emission (nm)</b>	<b>Quantum Yield (max = 1.0)</b>	<b>Solvent</b>	<b>Lifetime (ns)</b>	<b>References, Notes</b>
281	359	0.56	p-Dioxane		C-12

**REFERENCES:**

242. Photophysical Properties and Laser Performance of Photostable UV Laser Dyes. III. Sterically Hindered p-Quaterphenyls, H. Güsten, M. Rinke, and H.O. Wirth, *Appl. Phys. B45*, 279 (1988)

C-12. Photophysical Properties and Laser Performance of Photostable UV Laser Dyes. III. Sterically Hindered p-Quaterphenyls, H. Güsten, M. Rinke, and H.O. Wirth, *Appl. Phys. B45*, 279 (1988),  
<https://doi.org/10.1007/BF00687157>

For a current list of biology, biological stain, or biochemistry references for TMQ from PubMed, click on the following link: