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## DMQ

**Synonym:** 2-methyl-5-t-butyl-p-quaterphenyl

**Catalog No.:** 22050

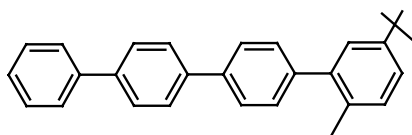
**CAS No.:** 114932-35-3

**MW:** 376.51

**Chemical Formula:** C<sub>29</sub>H<sub>28</sub>

**Appearance:** white crystalline powder

**Structure:**



<b>Lasing Wavelength Max. (nm)</b>	<b>Range (nm)</b>	<b>Pump Source (nm)</b>	<b>Solvent</b>	<b>Concentration (molar)</b>	<b>Abs λ-max</b>	<b>FI λ-max</b>
360	346-377	XeCl(308) <sup>243,241</sup>	p-dioxane	6.1x10 <sup>-4</sup>	291 <sup>p-d</sup>	364 <sup>p-d</sup>
363	350-378	XeCl(308) <sup>242</sup>	p-dioxane	7.4x10 <sup>-4</sup>		

p-d = p-dioxane

### REFERENCES:

241. Dye Stability Under Excimer-Laser Pumping. II. Visible and UV Dyes, V.S. Antonov, K.L. Hohla, *Appl. Phys.* **B32**, 9(1983)
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)
243. *Lambdachrome Laser Dyes*, U. Brackmann, 2<sup>nd</sup> ed., 1994

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

[DMQ](#) (the abbreviation DMQ has multiple meanings in PubMed)