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## QUI

**Synonym:** 3,5,3',5'-tetra-t-butyl-p-quinquephenyl

**Catalog No.:** 22200

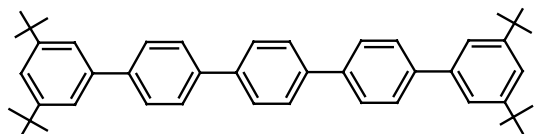
**CAS No.:** 89703-16-2

**MW:** 606.93

**Chemical Formula:** C<sub>46</sub>H<sub>54</sub>

**Appearance:** white crystalline powder

**Structure:**



Lasing Wavelength Max. (nm)	Range (nm)	Pump Source (nm)	Solvent	Concentration (molar)	Abs $\lambda$ -max	FI $\lambda$ -max
390	368-402	XeCl(308) <sup>241</sup>	p-dioxane	$3.3 \times 10^{-4}$	305 <sup>c</sup>	
387	372-412	N <sub>2</sub> (337) <sup>243</sup>	p-dioxane	$8.6 \times 10^{-4}$	311 <sup>p-d</sup>	389,371 <sup>p-d</sup>

c = cyclohexane; 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)

243. *Lambdachrome Laser Dyes*, U. Brackmann, 2<sup>nd</sup> ed., 1994

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

[QUI](#) (this abbreviation has multiple definitions in PubMed; fewer results may be obtained by adding the keyword "dye")