

DMQ

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

Catalog No.: 22050

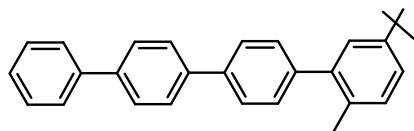
CAS No.: 114932-35-3

MW: 376.51

Chemical Formula: C₂₉H₂₈

Appearance: white crystalline powder

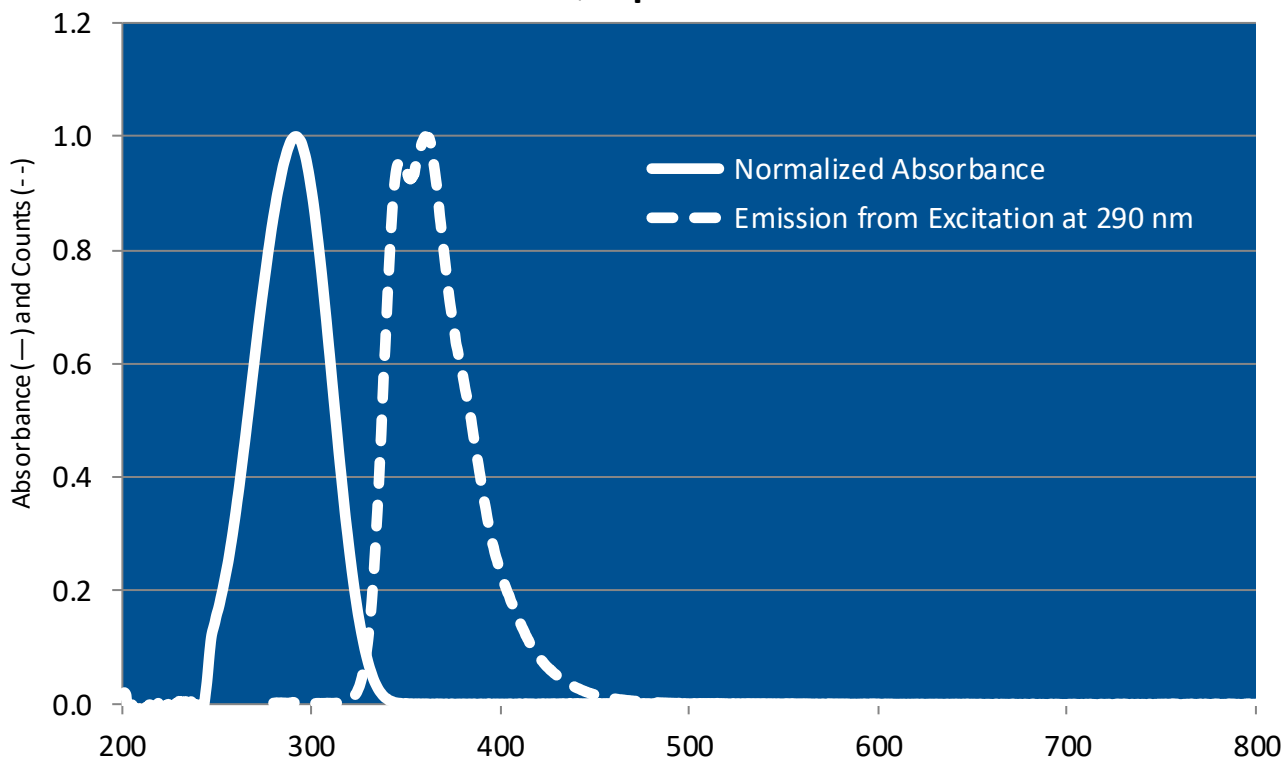
Structure:



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

p-d = p-dioxane

DMQ in p-Dioxane





2150 Bixby Road
Lockbourne, OH 43137
Tel: 614.492.5610
E-mail: info.exciton@luxotticaretail.com
www.exciton.luxottica.com

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:

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, 2nd 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)