

CARBOSTYRYL 165

Synonym: 7-Dimethylamino-4-methylcarbostyryl; Carbostyryl 3

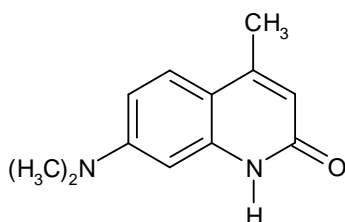
Catalog No.: 04240

CAS No.: 26078-23-9

MW: 202

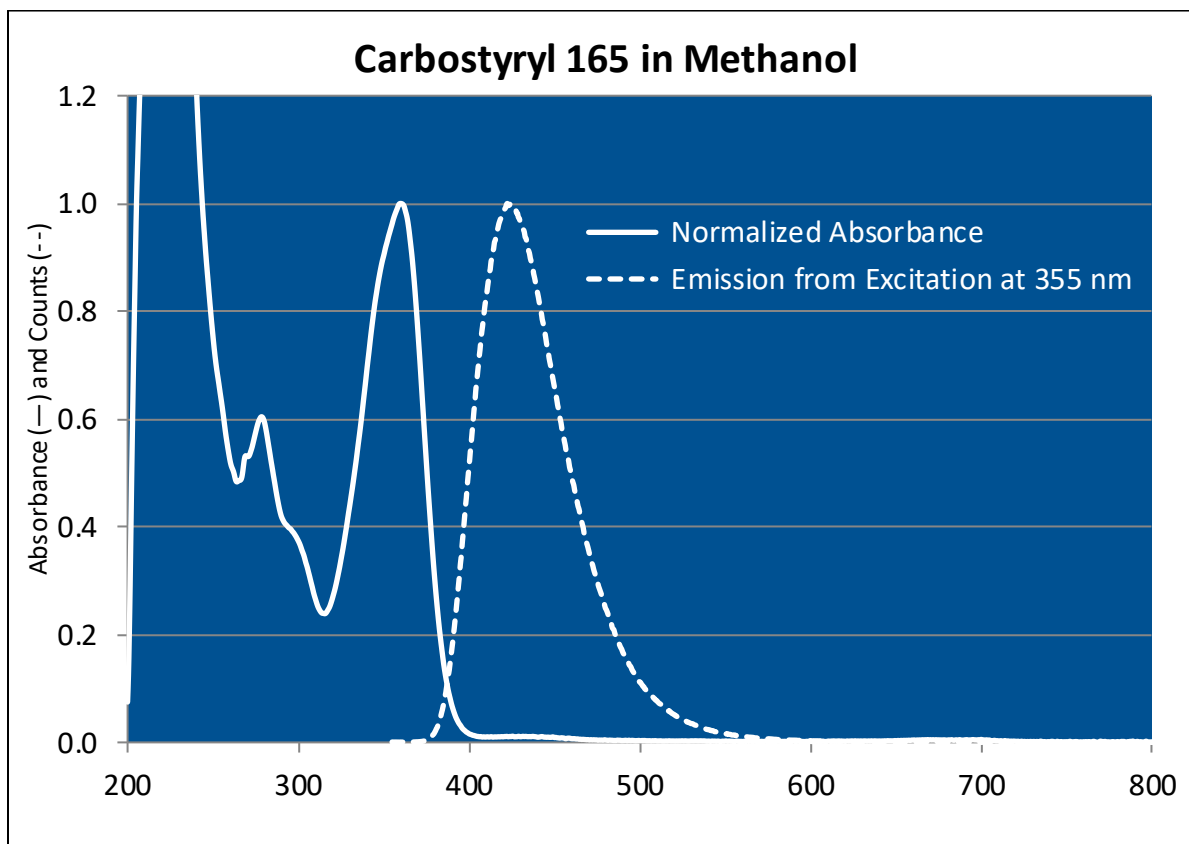
Appearance: colorless, crystalline solid

Structure:



Max. Lasing Wavelength (nm)	Range (nm)	Pump Source (nm)	Solvent	Concentration (molar)	Abs λ -max	FI λ -max
425	-----	FL ¹⁶	Ethanol	-----	360 ^e	425 ^e
430	420-440	FL ^{8,11}	Methanol	1.98×10^{-4}		
440	415-490	Ar(cw) ¹⁴	EG	2.97×10^{-3}		

e = ethanol; EG = ethylene glycol





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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:

8. Near-Ultraviolet Lasing Dyes, Part 1: Search for New Dyes and Summation of Results, P.R. Hammond, A.N. Fletcher, R.A. Henry, R.L. Atkins and D.W. Moore; and Near-Ultraviolet Lasing Dyes, Part 2: Effects of Coaxial Flashlamp Excitation, A.N. Fletcher, *NWC TP5768* (1975); Laser Dye Stability, Part 3: Bicyclic Dyes in Ethanol, A.N. Fletcher, *Appl. Phys.*, 14, 295 (1977); Laser Dye Stability, Part 5: Effect of Chemical Substituents of Bicyclic Dyes Upon Photodegradation Parameters, A.N. Fletcher and D.E. Bliss, *Appl. Phys.*, 16, 289 (1978)
11. Lasing Characteristics of Seventeen Visible-Wavelength Dyes using a Coaxial-Flashlamp-Pumped Laser, J.B. Marling, J.H. Hawley, E.M. Liston and W.B. Grant, *Appl. Optics*, 13(10), 2317 (1974). a. With Rhodamine 6G
14. CW Laser Emission Spanning the Visible Spectrum, J.M. Yarborough, *Appl. Phys. Lett.*, 24(12), 629 (1974). a. With Rhodamine 6G
16. New Materials for Flash-Pumped Organic Lasers, R. Srinivasan, *IEEE J. Quantum Electron.*, QE5, 552 (1969)

For a current list of biology, biological stain, or biochemistry references for Carbostryl 165 from PubMed, click on the following link:

[Carbostryl 165 or Carbostryl 203](#) (zero references as of May 2006)