

COUMARIN 519

Synonym: 2,3,6,7-tetrahydro-11-oxo-1H,5H,11H-[1]benzopyrano[6,7,8-ij]quinolizine-10-carboxylic acid; Coumarin 343

Catalog No.: 05190

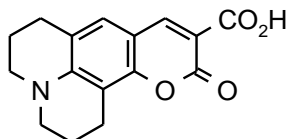
CAS No.: 55804-65-4

MW: 285.29

Chemical Formula: C₁₆H₁₅NO₄

Appearance: Orange needles

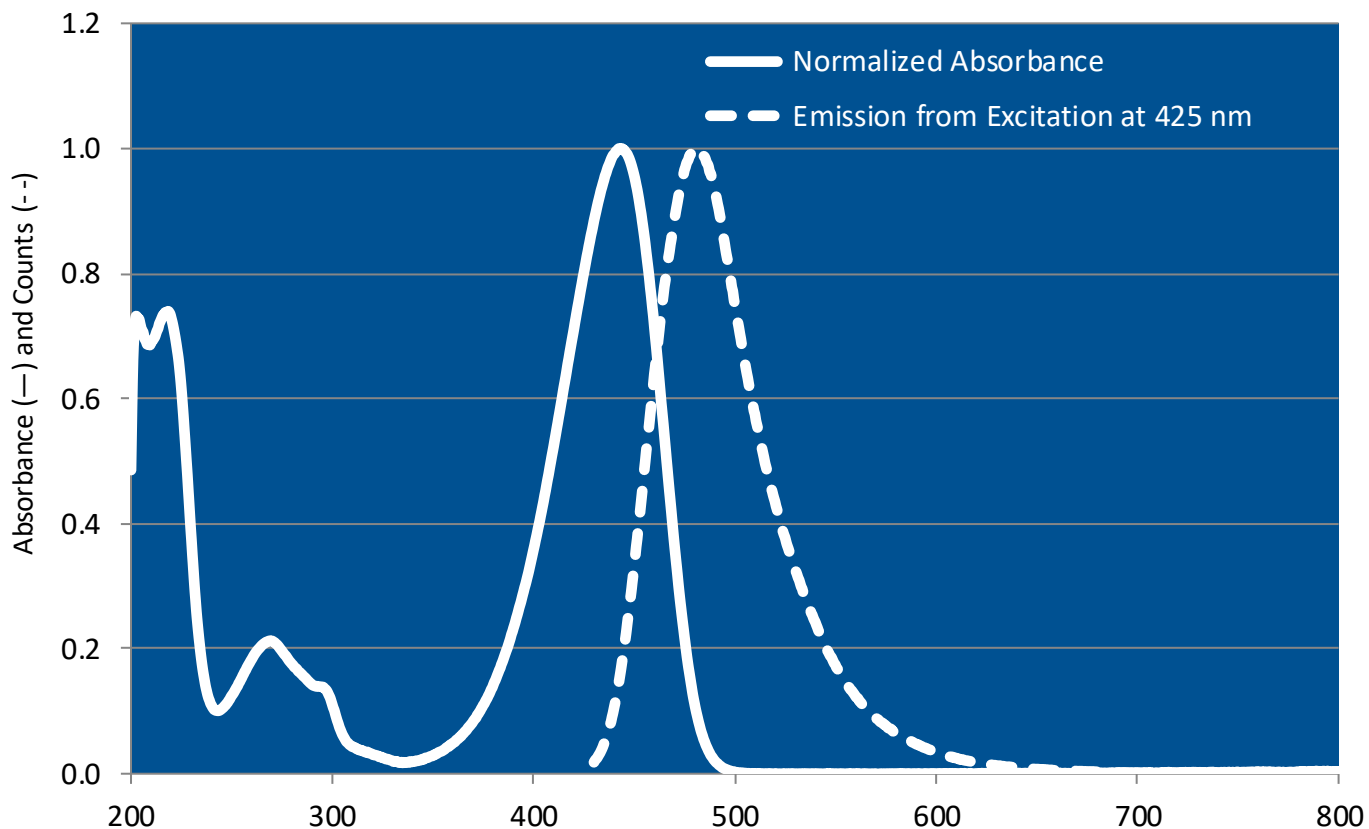
Structure:



| Max. Lasing Wavelength (nm) | Range (nm) | Pump Source (nm) | Solvent | Concentration (molar) | Abs λ-max | Fl λ-max |
|-----------------------------|------------|------------------|------------------|-----------------------|------------------|------------------|
| 501 | 490-513 | FL ³ | Methanol | 2 x 10 ⁻⁴ | 446 ^e | 490 ^e |
| 518 | | FL ⁶⁰ | H ₂ O | | 436 ^m | |
| 519 | | FL ¹⁹ | Ethanol | | | |

e=ethanol, m=methanol

Coumarin 519 in Methanol





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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:

3. Phase-R Corporation, Box G-2 Old Bay Rd., New Durham, NH 03855
19. New Coumarin Dyes with Rigidized Structure for Flashlamp-Pumped Dye Lasers, G.A. Reynolds and K.H. Drexhage, *Optics Commun.*, 13(3), 222 (1975)
60. Water-Soluble Coumarin Dyes for Flashlamp-Pumped Dye Lasers, K.H. Drexhage, G.R. Erickson, G.H. Hawks and G.A. Reynolds, *Optics Commun.*, 15(3), 399 (1975)

For a current list of biology, biological stain, or biochemistry references for Coumarin 519 from PubMed, click on the following link:

[Coumarin 519 or Coumarin 343](#)