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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

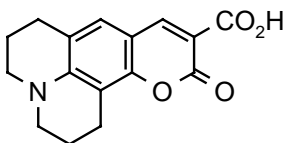
CAS No.: 55804-65-4

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	2×10^{-4}	446 ^e	490 ^e
518		FL ⁶⁰	H ₂ O		436 ^m	
519		FL ¹⁹	Ethanol			

e=ethanol, m=methanol

REFERENCES:

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