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COUMARIN 523

Synonym: 2,3,6,7-tetrahydro-11-oxo-1H,5H,11H-[1]benzopyrano[6,7,8-ij]quinolizin-10-carbonitrile; Coumarin 337

Catalog No.: 05230

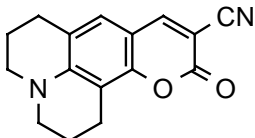
CAS No.: 55804-68-7

MW: 266.30

Chemical Formula: C₁₆H₁₄N₂O₂

Appearance: Orange crystals

Structure:



Max. Lasing Wavelength (nm)	Range (nm)	Pump Source (nm)	Solvent	Concentration (molar)	Abs λ -max	FI λ -max
514	500-560	FL ⁶⁹	MeOH/H ₂ O	8 x 10 ⁻⁵	443 ^e	485 ^e
520	501-545	FL ⁶⁹	MeOH/H ₂ O, 1/1	1 x 10 ⁻⁴		
522		FL ¹⁹	Ethanol			

MeOH/H₂O=methanol/water, e=ethanol

REFERENCES:

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)
69. Candela Laser Corporation, 530 Boston Post Road, Wayland, MA 01778-1833

For a current list of biology, biological stain, or biochemistry references for Coumarin 440 from PubMed, click on the following link:

[Coumarin 523](#)