



PO Box 31126
Dayton, OH 45437
Tel: 937.252.2989 Fax: 937.258.3937
E-mail: info@exciton.com
www.exciton.com

COUMARIN 525

Synonym: 10-(2-benzoxazolyl)-2,3,6,7-tetrahydro-1H,5H,11H-[1]benzopyrano[6,7,8-ij]quinolizin-11-one

Catalog No.: 05250

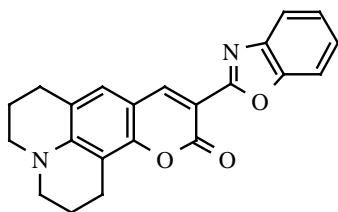
CAS No.: 87331-47-3

MW: 357.41

Chemical Formula: C₂₂H₁₈N₂O₃

Appearance: Orange crystals

Structure:



Lasing Wavelength Max. (nm)	Range (nm)	Pump Source (nm)	Solvent	Concentration (molar)	Abs λ -max	FI λ -max
533	525-541	FL(triaxial) ¹⁵⁷	Ethanol		462 ^e	504 ^e
545	537-553	FL(triaxial) ¹⁵⁷	EtOH/H ₂ O,1/1			
515	508-550	XeCl(308) ¹⁵⁸	Methanol	7 x 10 ⁻³		

e = ethanol, EtOH/H₂O=ethanol/water

REFERENCES:

157. Lasing and Fluorescent Characteristics of Nine, New, Flashlamp-Pumpable, Coumarin Dyes in Ethanol:Water, A.N. Fletcher, D.E. Bliss and J.M. Kauffman, *Optics Commun.*, 47(1), 57 (1983)
158. Lasing Characteristics of the New Dyes in Methanol, W. Young, Lumonics, 105 Schneider Rd., Kanata (Ottawa), Ontario, Canada K2K 1Y3

For a current list of biology, biological stain, or biochemistry references for Coumarin 525 from PubMed, click on the following link:

[Coumarin 525](#)