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COUMARIN 504

Synonym: 2,3,6,7-tetrahydro-11-oxo-1H,5H,11H-[1]benzopyrano[6,7,8-ij]quinolizine-10-carboxylic acid, ethyl ester;
Coumarin 314

Catalog No.: 05040

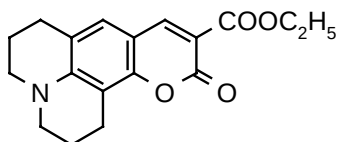
CAS No.: 55804-66-5

MW: 313.34

Chemical Formula: C₁₈H₁₉NO₄

Appearance: Yellow crystals

Structure:



Lasing Wavelength Max. (nm)	Range (nm)	Pump Source (nm)	Solvent	Concentration (molar)	Abs λ -max	Fl λ -max
499	484-537	FL ³	Methanol + LO	$1 \times 10^{-4} + 1\% \text{ LO}$	437 ^m	480 ^e
502		FL ¹⁷¹	MeOH/H ₂ O	1.9×10^{-4}	436 ^e	
503		FL(triaxial, uv filter) ¹⁸¹	Methanol	$A=4\text{cm}^{-1}$		
504		FL ¹⁹	Ethanol			
505	-495-517-	FL ⁶⁹	MeOH/H ₂ O, 1/1			
512		FL(triaxial, uv filter) ¹⁸¹	EtOH/H ₂ O	$A=4\text{cm}^{-1}$		
515		FL(triaxial, uv filter) ¹⁸¹	MeOH/H ₂ O	$A=4\text{cm}^{-1}$		
520	-506-544-	FL ¹²	MeOH/H ₂ O, 1/1	1.6×10^{-4}		

LO=Ammonyx LO, MeOH/H₂O=methanol/water, EtOH=ethanol, e=ethanol, m=methanol

REFERENCES:

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For a current list of biology, biological stain, or biochemistry references for Coumarin 504 from PubMed, click on the following link:

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