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LD 489

Synonym: 6,7,8,9-tetrahydro-6,8,9-trimethyl-4-(trifluoromethyl)-2H-pyrano[2,3-b][1,8]naphthyridin-2-one

Catalog No.: 04889

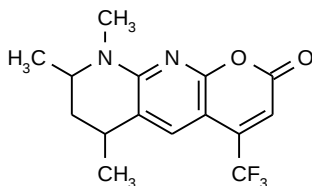
CAS No.: 62377-37-1

MW: 312.29

Chemical Formula: C₁₅H₁₅F₃N₂O₂

Appearance: Orange crystals

Structure:



Lasing Wavelength Max. (nm)	Range (nm)	Pump Source (nm)	Solvent	Concentration (molar)	Abs λ-max	Fl λ-max
499	480-497	FL 156	Ethanol	2 x 10 ⁻⁴	392 ^e	480 ^e
	490-514	FL 156	EtOH/H ₂ O, 1/1	2 x 10 ⁻⁴		
	482-509	FL 156	Methanol	2 x 10 ⁻⁴		
		FL(triaxial, uv filter) ¹⁸¹	EG/EtOH, 1/1	A=4cm ⁻¹		
	468-491	FL(triaxial, uv filter) ¹⁸¹	THF	A=4cm ⁻¹		
	487-511	FL(triaxial, uv filter) ¹⁸¹	DMA	A=4cm ⁻¹		
	486-508	FL(triaxial, uv filter) ¹⁸¹	DMF	A=4cm ⁻¹		
502	489-513	FL(triaxial, uv filter) ¹⁸¹	NMP	A=4cm ⁻¹		
		FL(triaxial, uv filter) ¹⁸¹	EtOH/H ₂ O, 1/1	A=4cm ⁻¹		
489	471-535	XeCl(308) ¹⁵⁸	Methanol	5.3 x 10 ⁻³		
496	472-532	Nd:YAG(355) ⁵⁷	Methanol	1.3 x 10 ⁻³ (osc), 5.5 x 10 ⁻⁴ (amp)		

e = ethanol

DMA = N,N-dimethylacetamide; DMF = dimethylformamide; EG = ethylene glycol; EtOH = ethanol; H₂O = water; NMP = N-methyl-2-pyrrolidinone; THF = tetrahydrofuran

REFERENCES:

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181. Laser Dye Stability, Part II. The Fluorinated Azacoumarin Dyes, A.N. Fletcher, M.E. Pietrak, and D.E. Bliss, *Appl. Phys. B*, 42, 79 (1987)

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