

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

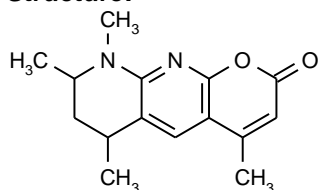
CAS No.: 62377-37-1

MW: 312.29

Chemical Formula: C₁₅H₁₅F₃N₂O₂

Appearance: Orange crystals

Structure:



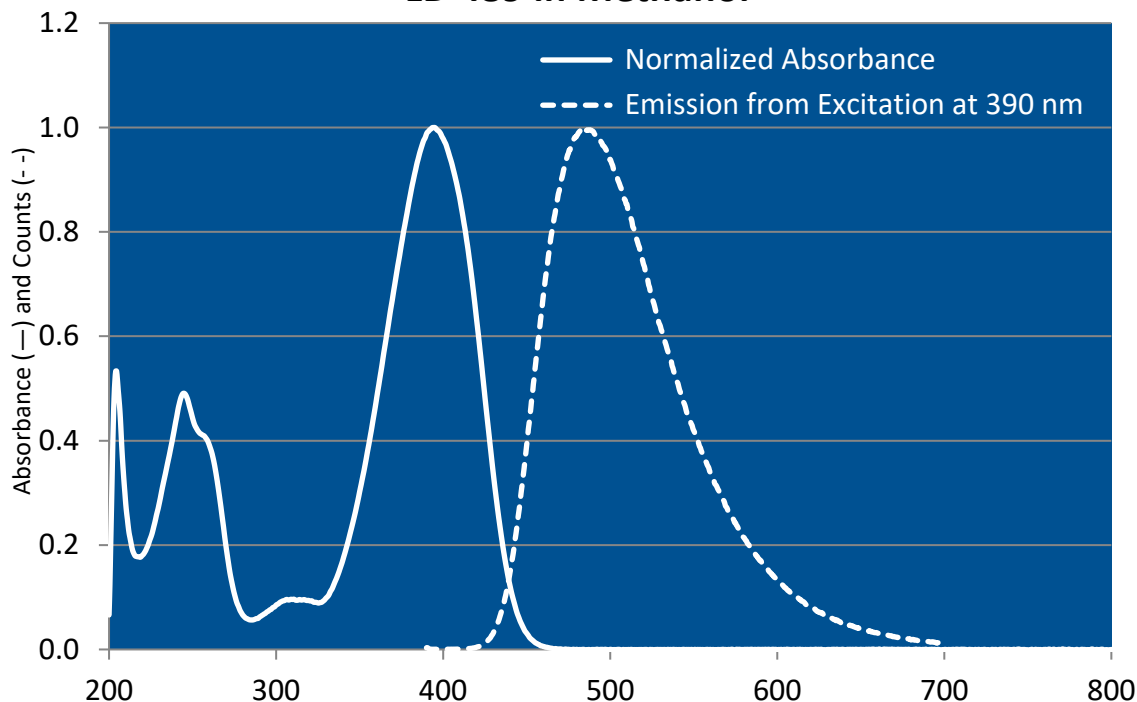
Lasing Wavelength

Max. (nm)	Range (nm)	Pump Source (nm)	Solvent	Concentration (molar)	Abs λ-max	Fl λ-
	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		
499		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		
	489-513	FL(triaxial, uv filter) ¹⁸¹	NMP	A=4cm ⁻¹		
502		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

LD 489 in Methanol



The information presented above is believed to be accurate but is not a specification. The customer is fully responsible for determining the suitability of this product for use in their application. Exciton, Inc. does not represent that the information is sufficient or complete for any specific application.

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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