



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

LD 473

Synonym: 1,2,3,8-tetrahydro-1,2,3,3,8-pentamethyl-5-(trifluoromethyl)-7H-pyrrolo[3,2-g]quinolin-7-one

Catalog No.: 04730

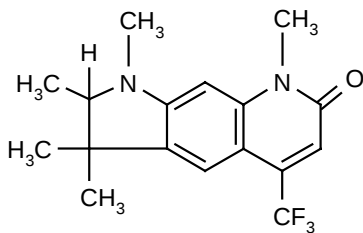
CAS No.: 58721-74-7

MW: 324.34

Chemical Formula: C₁₇H₁₉F₃N₂O

Appearance: Pale yellow crystals

Structure:



Lasing Wavelength Max. (nm)	Range (nm)	Pump Source (nm)	Solvent	Concentration (molar)	Abs λ -max	Fl λ -max
472	451-506	FL ³	Ethanol	8×10^{-5}	388 ^m	466 ^m
473		FL ¹⁸	Ethanol			
480	-470-510-	FL ¹²	MeOH/H ₂ O, 1/1	1.8×10^{-4}		
486	454-522	FL ³	Methanol	8×10^{-5}		
483	468-499	Nd:YAG(355) ¹⁰³	Methanol	8.5×10^{-4} (osc), 3.5×10^{-4} (amp)		
473	452-505	N ₂ (337) ⁹	Ethanol	1.2×10^{-2}		

MeOH = Methanol, m = methanol

REFERENCES:

- Phase-R Corporation, Box G-2 Old Bay Rd., New Durham, NH 03855
- A. Williamson, private commun., 1977
- Chromatix, 560 Oak Meade Parkway, Sunnyvale, CA 94086
- New Laser Dyes with Blue-Green Emission, E.J. Schimitschek, J.A. Trias, P.R. Hammond, R.A. Henry and R.L. Atkins, *Optics Commun.*, 16(30), 313 (1976)
- B. Rockney, private commun., 1979

For a current list of biology, biological stain, or biochemistry references for LD 473 from PubMed, click on the following link:

[LD 473](#)