



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

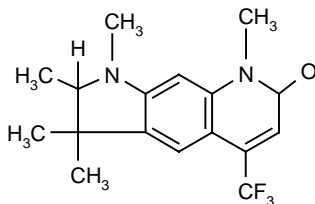
**CAS No.:** 58721-74-7

**MW:** 324.34

**Chemical Formula:** C<sub>17</sub>H<sub>19</sub>F<sub>3</sub>N<sub>2</sub>O

**Appearance:** Pale yellow crystals

**Structure:**



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

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](#)