



PO Box 31126  
Dayton, OH 45437  
Tel: 937.252.2989 Fax: 937.258.3937  
E-mail: [info@exciton.com](mailto:info@exciton.com)  
[www.exciton.com](http://www.exciton.com)

## COUMARIN 478

**Synonym:** 2,3,6,7,10,11-hexahydro-1H,5H-cyclopenta[3,4][1]benzopyrano [6,7,8-ij]quinolizin-12(9H)-one; Coumarin 106

**Catalog No.:** 04780

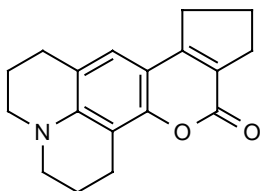
**CAS No.:** 41175-45-5

**MW:** 281.36

**Chemical Formula:** C<sub>18</sub>H<sub>19</sub>NO<sub>2</sub>

**Appearance:** Pale yellow crystals

**Structure:**



<b>Lasing Wavelength Max. (nm)</b>	<b>Range (nm)</b>	<b>Pump Source (nm)</b>	<b>Solvent</b>	<b>Abs <math>\lambda</math>-max</b>	<b>FI <math>\lambda</math>-max</b>
478		FL <sup>19</sup>	Ethanol	386 <sup>e</sup>	465 <sup>e</sup>

e = ethanol

### REFERENCES:

19. New Coumarin Dyes with Rigidized Structure for Flashlamp-Pumped Dye Lasers, G.A. Reynolds and K.H. Drexhage, *Optics Commun.*, 13(3), 222 (1975)

For a current list of biology, biological stain, or biochemistry references for Coumarin 478 from PubMed, click on the following link:

[Coumarin 478 or Coumarin 106](#)