

## COUMARIN 445

**Synonym:** 7-(ethylamino)-4-methyl-2H-1-benzopyran-2-one

**Catalog No.:** 04450

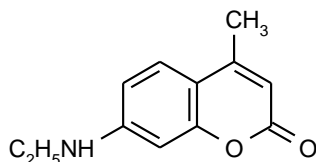
**CAS No.:** 28821-18-3

**Molecular Weight:** 203.24

**Chemical Formula:** C<sub>12</sub>H<sub>13</sub>NO<sub>2</sub>

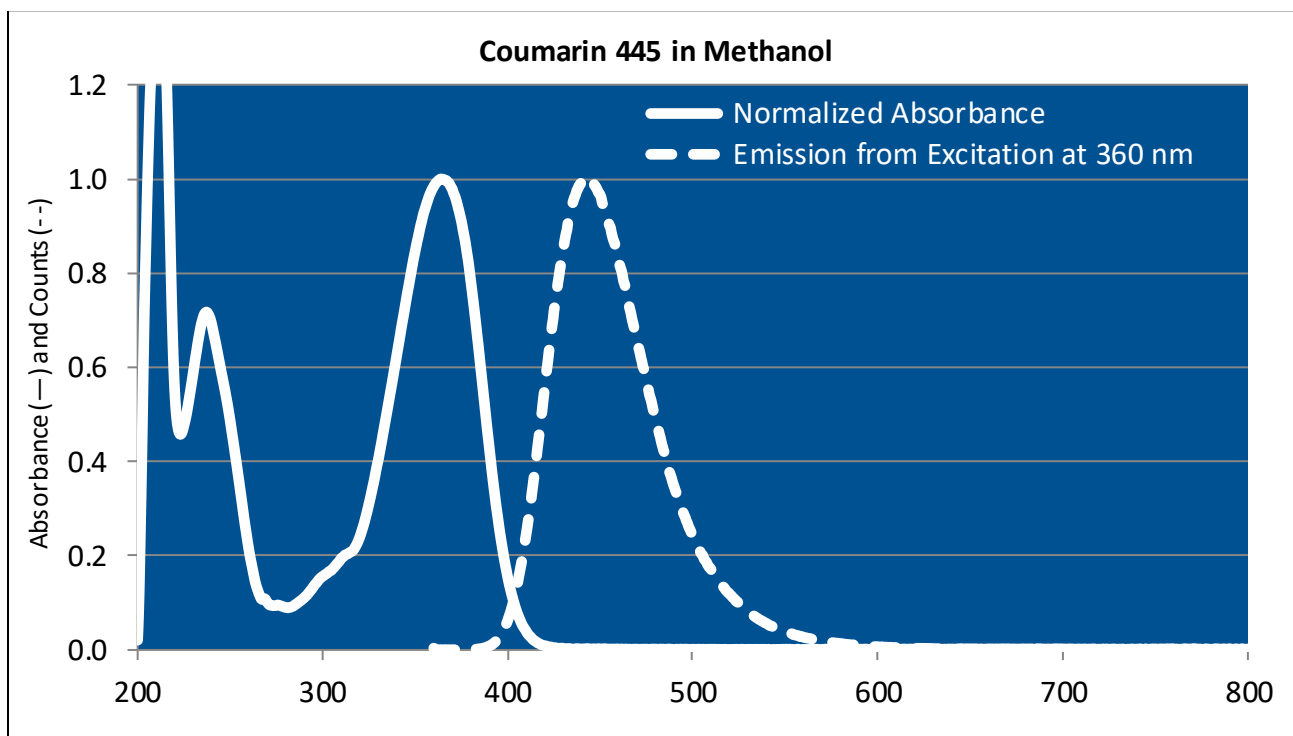
**Appearance:** Pale yellow crystals

**Structure:**



Lasing Wavelength Max. (nm)	Range (nm)	Pump Source (nm)	Solvent	Concentration (molar)	Abs λ-max	Fl λ-max
445	423-445	FL <sup>69</sup>	MeOH/H <sub>2</sub> O, 1/1		363 <sup>m</sup>	430 <sup>e</sup>
451	430-474	Nd:YAG(355) <sup>103</sup>	Methanol	6.3 x 10 <sup>-4</sup> (osc), 3.2 x 10 <sup>-4</sup> (amp)		
445		N <sub>2</sub> (337) <sup>15</sup>	Ethanol			
460	435-484	Ar(cw)	EG			

MeOH/H<sub>2</sub>O=methanol/water, EG=ethylene glycol, m=methanol, e=ethanol



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.



2150 Bixby Road  
Lockbourne, OH 43137  
Tel: 614.492.5610  
E-mail: [info.exciton@luxotticaretail.com](mailto:info.exciton@luxotticaretail.com)  
[www.exciton.luxottica.com](http://www.exciton.luxottica.com)

#### REFERENCES:

15. Photochemical Studies on Organic Lasers, R. Srinivasan, R.J. von Gutfield, C.S. Angadiyavar and E.E. Tynan, AFML TR-74-110 (1974)
69. Candela Laser Corporation, 530 Boston Post Road, Wayland, MA 01778-1833
103. B. Rockney, private commun., 1979

For a current list of biology, biological stain, or biochemistry references for Coumarin 445 from PubMed, click on the following link:

[Coumarin 445](#)