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## COUMARIN 450

**Synonym:** 7-(ethylamino)-4,6-dimethyl-2H,-1-benzopyran-2-one; Coumarin 2

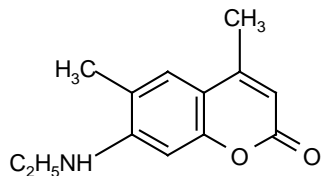
**Catalog No.:** 04500

**CAS No.:** 26078-25-1

**Chemical Formula:** C<sub>13</sub>H<sub>15</sub>NO<sub>2</sub>      **MW:** 217

**Appearance:** Pale yellow crystalline powder

**Structure:**



Lasing Wavelength Max. (nm)	Range (nm)	Pump Source (nm)	Solvent	Concentration (molar)	Abs λ-max	FI λ-max
446		FL <sup>16</sup>	Ethanol		366 <sup>e</sup>	435 <sup>e</sup>
449	435-470	FL <sup>3</sup>	Ethanol/1.5% LO	1 x 10 <sup>-4</sup>		
450	427-488	FL <sup>11</sup>	Methanol	2 x 10 <sup>-4</sup>		
455	435-480	FL <sup>69</sup>	MeOH/H <sub>2</sub> O	8 x 10 <sup>-5</sup>		
458	432-480	FL <sup>69</sup>	Methanol	6 x 10 <sup>-5</sup>		
460	445-482	FL <sup>12</sup>	MeOH/H <sub>2</sub> O,4/6	1.7 x 10 <sup>-4</sup>		
451	425-482	XeCl(308) <sup>204</sup>	Methanol	6 x 10 <sup>-3</sup> (osc), 4 x 10 <sup>-3</sup> (amp)		
451	430-482	XeCl(308) <sup>114</sup>	Methanol	7.4 x 10 <sup>-3</sup>		
451	434-474	XeCl(308) <sup>110</sup>	Methanol	2 x 10 <sup>-3</sup>		
444	432-458	XeF(351) <sup>154</sup>	Ethanol	5 x 10 <sup>-3</sup>		
448	434-463	Nd:YAG(355) <sup>239</sup>	Ethanol	9.2 x 10 <sup>-4</sup>		
452	436-467	Nd:YAG(355) <sup>110</sup>	Methanol	3 x 10 <sup>-4</sup>		
454		Nd:YAG(355) <sup>59</sup>	Methanol	7 x 10 <sup>-4</sup>		
455	-433-474-	Nd:YAG(355) <sup>53</sup>	Methanol			
458	435-463	Nd:YAG(355) <sup>109</sup>	Ethanol	1 x 10 <sup>-3</sup>		
446	428-465	N <sub>2</sub> (337) <sup>5</sup>	Ethanol	1 x 10 <sup>-2</sup>		
450	435-485	Ar or Kr(uv) <sup>17</sup>	EG	3 x 10 <sup>-3</sup>		
452	430-492	Ar(cw) <sup>14</sup>	EG			
453	430-482	Ar or Kr <sup>68</sup>	BzOH/EG,1/7.5	80% pump absorption		
460	430-480	Ar(351/364) <sup>13</sup>	20%aq.DPA	2 x 10 <sup>-3</sup>		

LO=Ammonyx LO, MeOH/H<sub>2</sub>O=methanol/water, EG=ethylene glycol, BzOH=benzyl alcohol, DPA=N, N-dipropylacetamide, e=ethanol



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