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## LD 690 PERCHLORATE

**Synonym:** N-ethyl-3-(ethylimino)-2,8-dimethyl-3H-phenoxazin-7-amine monoperchlorate; Oxazine 4

**Catalog No.:** 06910

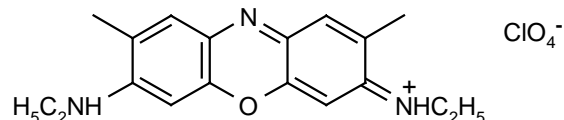
**CAS No.:** 41830-81-3

**MW:** 395.84

**Chemical Formula:** C<sub>18</sub>H<sub>21</sub>N<sub>3</sub>O.HClO<sub>4</sub>

**Appearance:** Dark green crystals

**Structure:**



Lasing Wavelength Max. (nm)	Range (nm)	Pump Source (nm)	Solvent	Concentration (molar)	Abs λ-max	FI λ-max
682	660-725	FL <sup>69</sup>	Methanol	8 x 10 <sup>-5</sup>	616 <sup>e</sup>	625 <sup>m</sup>
688	655-706	XeCl(308) <sup>110</sup>	Methanol	1.3 x 10 <sup>-3</sup>		
660		Nd:YAG(532) <sup>56</sup>	Methanol	2.8 x 10 <sup>-4</sup>		
668	655-705	N <sub>2</sub> (337) <sup>50</sup>	Ethanol	1.8 x 10 <sup>-3</sup> (LD690)		
				2.8 x 10 <sup>-3</sup> (R610)		
670	660-716	N <sub>2</sub> (337) <sup>50</sup>	DMSO/EtOH,2/1	2.5 x 10 <sup>-3</sup> (LD690),		
				2.8 x 10 <sup>-3</sup> (R610)		
696	663-710	N <sub>2</sub> (337) <sup>183</sup>	DMSO	19.9mg/20ml		
	696-780	Kr(Red) <sup>93</sup>	EG/MeOH	2.8 x 10 <sup>-3</sup>		

e = ethanol; m = methanol; DMSO = dimethylsulfoxide, EtOH = ethanol; MeOH = methanol

### REFERENCES:

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110. Lumonics Inc., 105 Schneider Road, Kanata, (Ottawa), Ontario, Canada K2K 1Y3
183. Thermo Laser Science, 26 Landsdowne Street, Cambridge, MA 02139

For a current list of biology, biological stain, or biochemistry references for LD 690 Perchlorate from PubMed, click on the following link:

[LD 690 or Oxazine 4](#)