

OXAZINE 720 PERCHLORATE or CHLORIDE

Synonyms:

5-(ethylimino)-10-Methyl-5H-benzo[a]phenoxazin-9-ethylamine monoperchlorate; Oxazine 170 (07210)
 Benzo[a]phenoxazin-7-ium, 5,9-bis(ethylamino)-10-methyl-, perchlorate (1:1) (07210)
 Benzo[a]phenoxazin-7-ium, 5,9-bis(ethylamino)-10-methyl-, chloride (1:1) (07200)

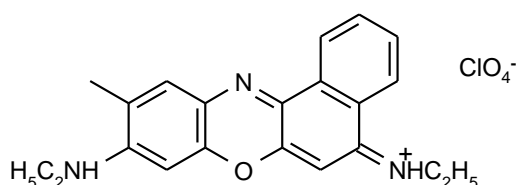
Catalog No.: 07210 (perchlorate) or 07200 (chloride)

CAS No.: 62669-60-7 (perchlorate) or 63666-03-7 (chloride)

Chemical Formula: C₂₁H₂₂N₃O.ClO₄ (07210) or C₂₁H₂₂N₃O.Cl (07200) **MW:** 431.87 (07210) or 367.87 (07200)

Appearance: Green granules (07210, 07200)

Structure:

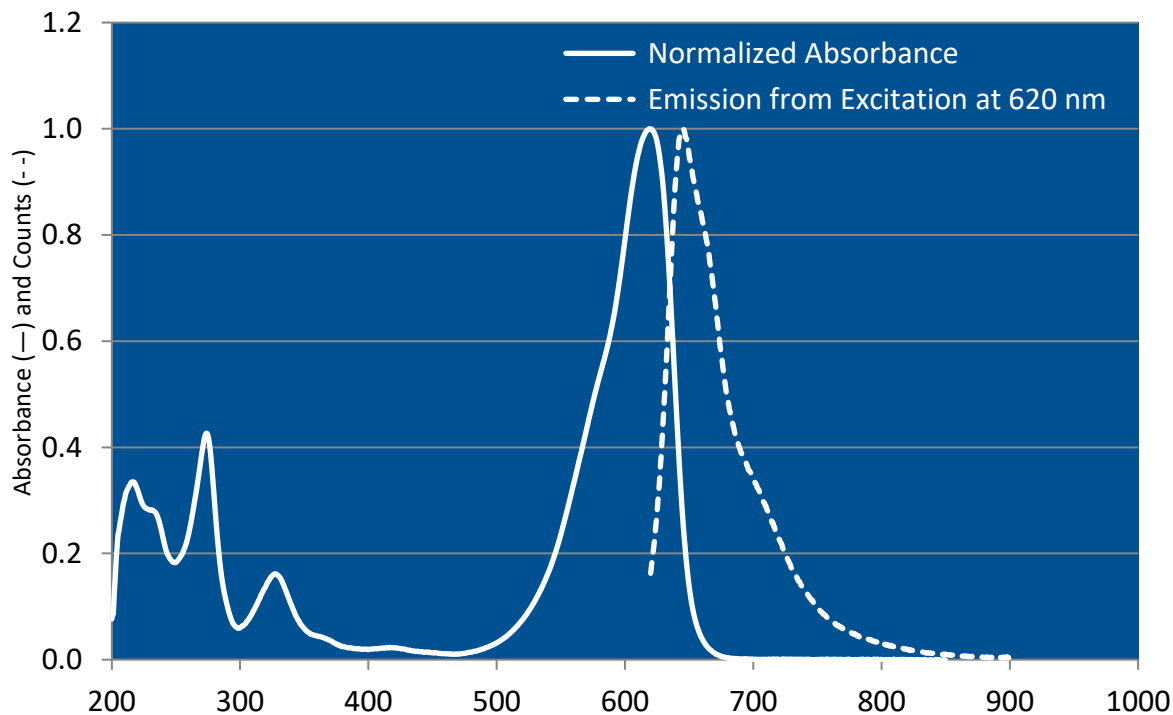


Lasing Wavelength

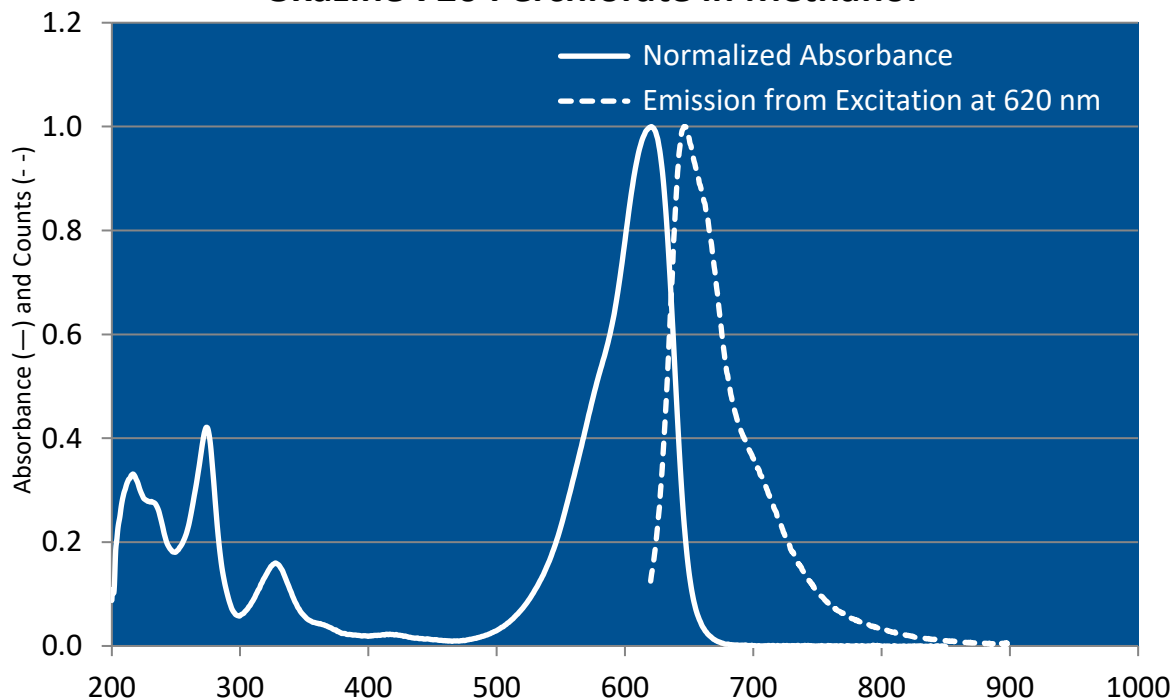
Max. (nm)	Range (nm)	Pump Source (nm)	Solvent	Concentration (molar)	Abs λ-max	Fl λ-max
690	670-730	FL ⁶⁹	Methanol	4 x 10 ⁻⁵	627 ^e	650 ^e
692	676-698	FL ³	Methanol	5 x 10 ⁻⁵	620 ^m	
699	675-711	FL ³	Ethanol	5 x 10 ⁻⁵		
705	675-730	FL ¹²	MeOH/H ₂ O(acidic)	7.5 x 10 ⁻⁵ (OX720) + (R590) ⁷²		
710	690-740	FL ²³	Methanol			
668	653-694	XeCl(308) ¹¹⁴	Ethanol	2.5 x 10 ⁻⁴ (OX720), 8.6 x 10 ⁻⁴ (R640)		
677	661-724	XeCl(308) ¹¹⁴	Methanol	1.8 x 10 ⁻³		
700	668-728	XeCl(308) ¹¹⁴	Methanol	4.6 x 10 ⁻³		
668	649-700	Nd:YAG(532) ⁵⁷	Methanol			
671	613-708	Nd:YAG(532) ⁵³	Methanol			
672		Nd:YAG(532) ³³	Ethanol	4 x 10 ⁻⁴ (OX720)+ (R610) or (SR640)		
673	664-690	Nd:YAG(355) ¹⁰⁹	Ethanol	1.5 x 10 ⁻³		
678	658-723	N ₂ (337) ⁹⁰	Ethanol	1 x 10 ⁻³		
702	660-725	N ₂ (337) ¹¹¹	Ethanol/DMSO,96/4	2.3 x 10 ⁻³ (OX720), 2.5 x 10 ⁻³ (R610)		
675	660-712	Cu(511,578) ¹⁷⁵	Methanol	3 x 10 ⁻⁴		

DMSO = Dimethylsulfoxide; MeOH = Methanol; e = ethanol; m = methanol

Oxazine 720 Chloride in Methanol



Oxazine 720 Perchlorate in Methanol



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.

REFERENCES:

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For a current list of biology, biological stain, or biochemistry references for Oxazine 720 Perchlorate from PubMed, click on the following link:

[Oxazine 720 or Oxazine 170](#) (all references are under Oxazine 170 as of May 2006)