

DPO

Synonym: 2,5-Diphenyl-1,3,4-oxadiazole, PPD Scintillator

Catalog No.: 03420

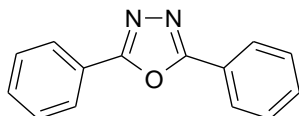
CAS No.: 725-12-2

MW: 222.24

Chemical Formula: C₁₄H₁₀N₂O

Appearance: Colorless to light yellow crystals

Structure:

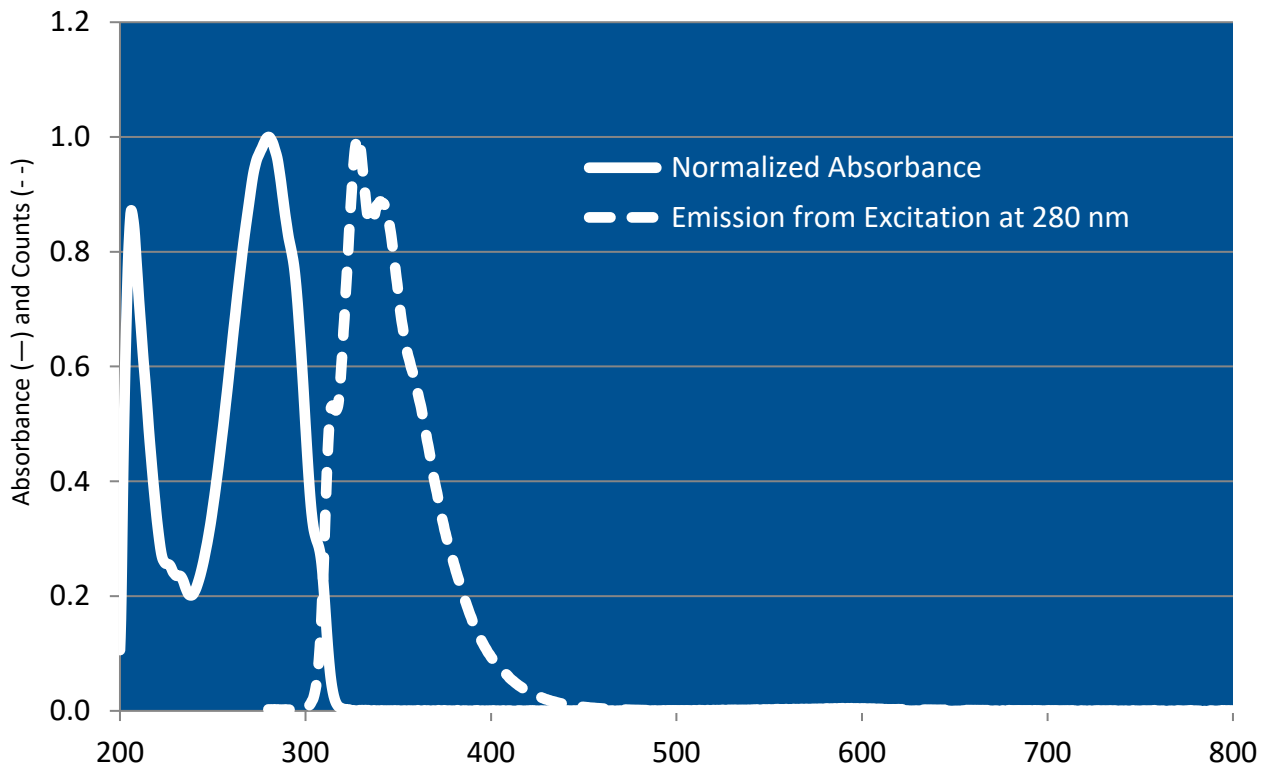


Lasing Wavelength

Max. (nm)	Range (nm)	Pump Source (nm)	Solvent	Abs λ-max	Fl λ-max
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e = ethanol

DPO 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.



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SELECTED LASER REFERENCES:

1. Fouassier, Jean Pierre; Lougnot, Daniel Joseph; Wieder, Fernand; Faure, Jean J. Applied Physics 1977, 48(5) 1956.
2. Huppert, D.; Rentzepis, P. M. J. Applied Physics (1978), 49(2), 543-8.
3. Abakumov, G. A.; Anisimov, Yu. M.; Polyakov, B. I.; Simonov, A. P. Applied Physics (Berlin) (1980), 23(1), 83-7.

SELECTED SCINTILLATOR REFERENCES

1. Zhmurin, P. Springer Proceedings in Physics (2017), 200(Engineering of Scintillation Materials and Radiation Technologies), 129-149.
2. Zhmurin, P. N.; Lebedev, V. N.; Titskaya, V. D.; Adadurov, A. F.; Elyseev, D. A.; Pereymak, V. N. Functional Materials (2014), 21(3), 282-289
3. Andreeshev, E. A.; Rosman, I. M. Optika i Spektroskopiya (1960), 8, 828-31.

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

[Diphenyl oxadiazole](#)