

## EXALITE 376

**Synonym:** 3,3'-Bidibenzofuran

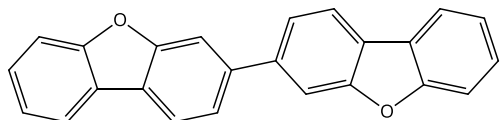
**Catalog No.:** 03760

**CAS No.:** 4499-66-5      **MW:** 334.37

**Chemical Formula:** C<sub>24</sub>H<sub>14</sub>O<sub>2</sub>

**Appearance:** White crystalline solid

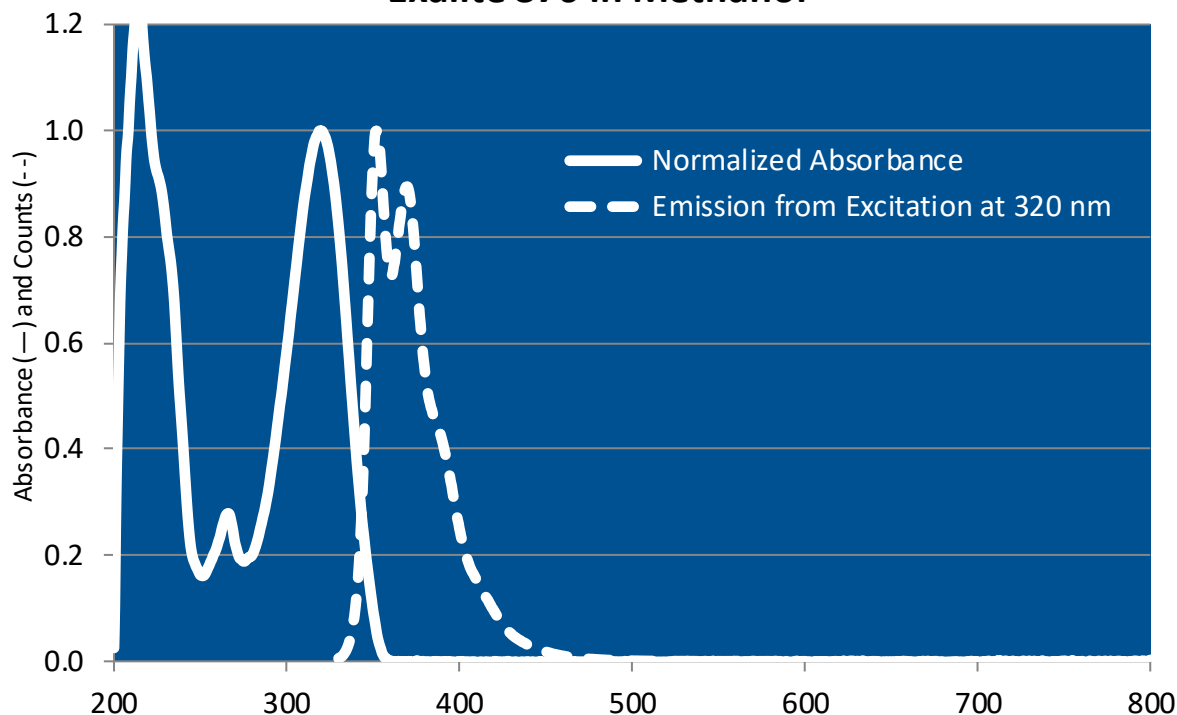
**Structure:**



<b>Lasing Wavelength Max. (nm)</b>	<b>Range (nm)</b>	<b>Pump Source (nm)</b>	<b>Solvent</b>	<b>Concentration (molar)</b>	<b>Abs λ-max</b>	<b>Fl λ-max</b>
373	357-381	XeCl(308) <sup>204</sup>	p-Dioxane	3.1 x 10 <sup>-4</sup> (osc), 3.1 x 10 <sup>-4</sup> (amp)	319 <sup>p</sup>	353 <sup>m</sup> 369
374	362-382 390(sh)	XeCl(308) <sup>177b</sup>	p-Dioxane	4 x 10 <sup>-4</sup>		
374	367-380	XeCl(308) <sup>210</sup>	p-Dioxane	1.25 x 10 <sup>-4</sup>		
375	370-381	XeCl(308) <sup>210</sup>	DMA	1.25 x 10 <sup>-4</sup>		
381	372-388	XeCl(308) <sup>210</sup>	p-Dioxane	4.6 x 10 <sup>-5</sup> / 1.1 x 10 <sup>-4</sup> (E384)		
382	376-388	XeCl(308) <sup>110</sup>	DMA	1.25 x 10 <sup>-4</sup>		
376	369-381	Nd:YAG(355) <sup>110</sup>	p-Dioxane	9 x 10 <sup>-4</sup>		

DMA = N,N-dimethylacetamide, p = p-dioxane, m = methanol

### Exalite 376 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:

- 110. Lumonics Inc., 105 Schneider Road, Kanata, (Ottawa), Ontario, Canada K2K 1Y3
- 177. Exciton and Associates, unpublished data, 1987-1989;
  - a. Characterization of New Excimer Pumped UV Laser Dyes I. p-Terphenyls, D.J. Schneider, D.A. Landis, P.A. Fleitz, C.J. Seliskar, J.M. Kauffman and R.N. Steppel, *Laser Chem.*, 11, 49 (1991);
  - b. Characterization of New Excimer Pumped UV Laser Dyes 2. p-Quaterphenyls, P.A. Fleitz, C.J. Seliskar, R.N. Steppel, J.M. Kauffman, C.J. Kelley and A. Ghorghis, *Laser Chem.*, 11, 99 (1991);
  - c. Characterization of New Excimer Pumped UV Laser Dyes 3. p-Quinqui-, Sexi-, Octi- and Deciphenyls, C.J. Seliskar, D.A. Landis, J.M. Kauffman, M.A. Aziz, R.N. Steppel, C.J. Kelley, Y. Qin and A. Ghorghis, *Laser Chem.*, 13(1), 19 (1993)
- 204. Questek, Inc., 44 Manning Road, Billerica, MA 01821 (Tuning Curves for Model 5200B Dye Laser, PDL-3)
- 210. M. Szarka, private commun., 1992