

EXALITE 400E

Synonym: Ethanesulfonic acid, 2,2'-[(9,9,9',9'-tetrapropyl[2,2'-bi-9H-fluorene]-7,7'-diyl)bis(oxy)]bis-, sodium salt (1:2)

Catalog No.: 03970

CAS No.: 1640113-21-8

MW: 819

Chemical Formula: C₄₂H₄₈O₈S₂.2Na

Appearance: White crystalline powder

Structure:



• 2 Na

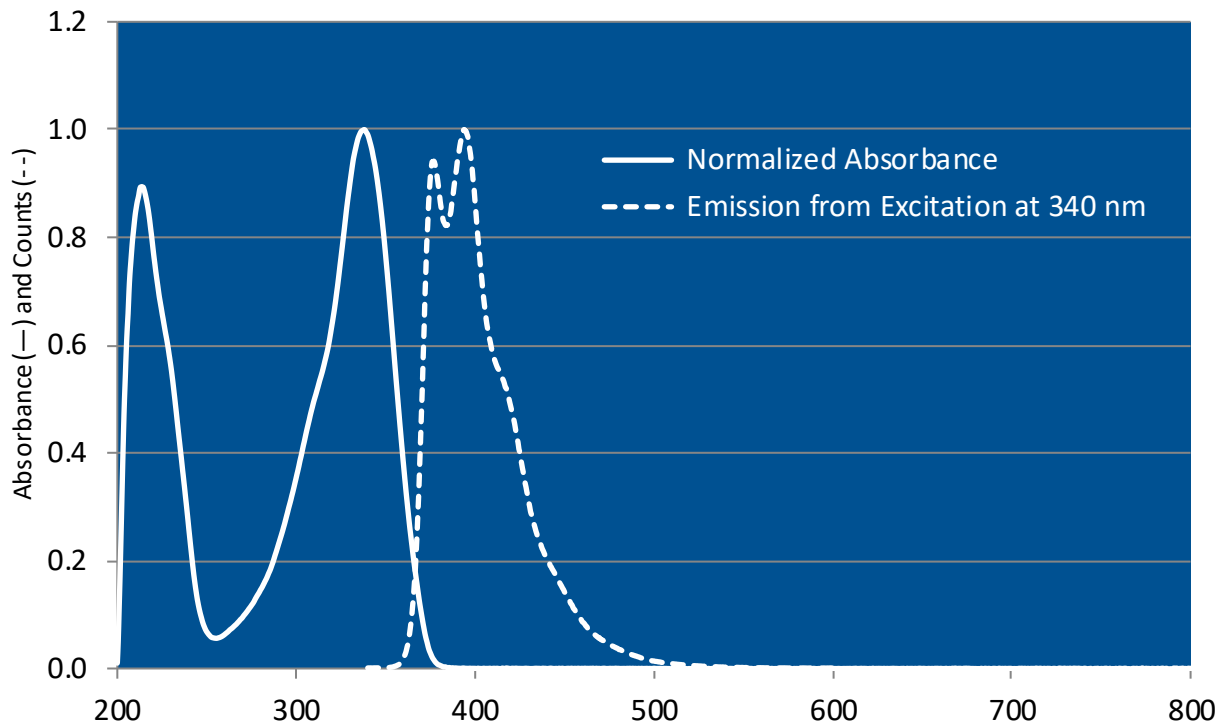
Lasing Wavelength Max. (nm)	Range (nm)	Pump Source (nm)	Solvent	Concentration (molar)	Abs λ-max	FI λ-max
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NOTE: Exalite 377E, 392E, and 400E are NOT recommended for pumping with XeCl(308nm). Also, the Exalite E series of dyes is especially designed and suited for dissolving in ethylene glycol, therefore, the "E" designation.

397	387-427	Ar(mid uv) ^{17,178}	EG	1.5 x 10 ⁻³	340 ^{eg}	403 ^{eg}
400	385-425	Ar(mid uv) ^{17,177}	EG	1.2 x 10 ⁻³		
402	385-425	Ar(330-365) ⁶⁸	EG	2.44 x 10 ⁻³		
403	394-411	Ar(mid uv) ¹⁸⁰	EG	1.56 x 10 ⁻³		
406	400-434	Nd:YAG(355,cw,m-l, 76MHZ) ²⁰⁹	EG	1.02 x 10 ⁻³		

eg = ethylene glycol

Exalite 400E 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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209. Synchronous Pumping of Two Dye Lasers Using a Single UV Excitation Source, Y. Jiang, S.A. Hambir, and G.J. Blanchard, *Optics Commun.*, 99(3,4), 216 (1993)