



PO Box 31126
Dayton, OH 45437
Tel: 937.252.2989 Fax: 937.258.3937
E-mail: info@exciton.com
www.exciton.com

DODC-I

Synonym: 3-ethyl-2-[5-(3-ethyl-2(3H)-benzoxazolylidene)-1,3-pentadienyl]-benzoxazolium iodide

Catalog No.: 06480

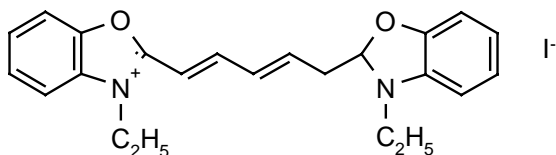
CAS No.: 14806-50-9

MW: 486.35

Chemical Formula: C₂₃H₂₃N₂O₂.I

Appearance: Purple powder

Structure:



Max. Lasing Wavelength (nm)	Range (nm)	Pump Source (nm)	Solvent	Concentration (molar)	Abs λ-max	FI λ-max
662		FL ³⁹	DMSO	2 x 10 ⁻⁴	582 ^e	610 ^e
648	632-671	Nd:YAG(532) ⁵³	Methanol			
658		Nd:Glas(532) ⁷⁸	Methanol	1 x 10 ⁻³		

DMSO=dimethylsulfoxide, e=ethanol

REFERENCES:

39. Flashlamp-Excited Organic Liquid Laser in the Range from 342 to 889 nm, M. Maeda and Y. Miyazoe, *Jpn. J. Appl. Phys.*, 11(5), 692 (1972)
53. Continuum, 3150 Central Expressway, Santa Clara, CA 95051, formerly, Quantel International
78. New Dye Lasers covering the Visible Spectrum, F.P. Schäfer, W. Schmidt and K. Marth, *Appl. Phys. Lett.*, 24A, 280 (1967)

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

[DODCI](#)