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Q-SWITCH 5

Synonym: 8-[[3-[(6,7-dihydro-2,4-diphenyl-5H-1-benzopyran-8-yl)methylene]-1-cyclohexen-1-yl]methylene]-5,6,7,8-tetrahydro-2,4-diphenyl-1-benzopyrylium perchlorate

Catalog No.: 10900

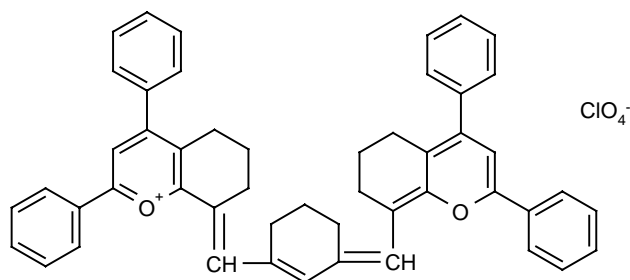
CAS No.: 61010-01-3

MW: 775.34

Chemical Formula: C₅₀H₄₃O₂.ClO₄

Appearance: Black powder

Structure:



Lasing Wavelength Max. (nm)	Range (nm)	Pump Source (nm)	Solvent	Concentration (molar)	Abs λ -max	Fl λ -max
1330	1180-1530	Nd:YAG(1064,m-l) ¹⁹²		5 x 10 ⁻⁴	1090	1170
	1210-1340	Nd:YAG(1064,m-l, compressed to 2 ps) ²⁴⁰	Benzyl alcohol	7 x 10 ⁻⁴		

REFERENCES:

192. Generation of Tunable Picosecond Pulses Between 1.18 μ m and 1.53 μ m in a Ring Laser Configuration using Dye No. 5, H. Lobentanzer and H.J. Polland, *Optics Commun.*, 62(1), 35 (1987)
240. Continuous-wave Synchronously Pumped Femtosecond Dye Laser at 1.3 μ m, F.S. Choa, Y. Liu and P.L. Liu, *Optics Lett.* 14, 222 (1989)

For a current list of biology, biological stain, or biochemistry references for Q-Switch 5 from PubMed, click on the following link:

[Q-Switch 5](#)