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DNXTPC-P

Synonym: 3-ethyl-2-[[[3-[3-[3-[(3-ethyl-5,6-dimethoxy-2(3H)-benzothiazolylidene)methyl]-5,5-dimethyl-2-cyclohexen-1-ylidene]-1-propenyl]-5,5-dimethyl-2-cyclohexen-1-ylidene]methyl]-5,6-dimethoxy benzothiazolium perchlorate

Catalog No.: 11401

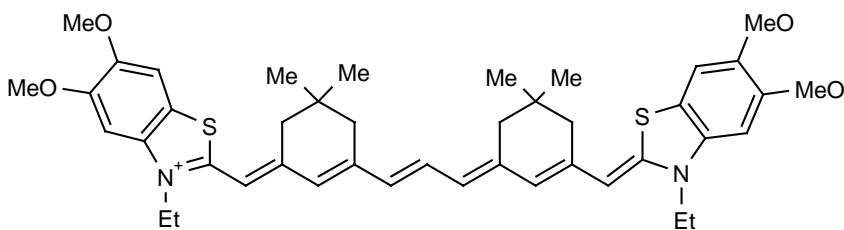
CAS No.: 68220-31-5

MW: 825.46

Chemical Formula: C₄₃H₅₃N₂S₂O₄.ClO₄

Appearance: Dark crystalline powder

Structure:



Max. Lasing Wavelength (nm)	Range (nm)	Pump Source (nm)	Solvent	Concentration (molar)	Abs λ -max
1140	1107-1187	Nd:YAG(1064) ¹⁰⁵	DMSO	1 x 10 ⁻⁴	~1060
1231	1192-1285	Nd:YAG(1064) ^{105,244}	DMSO	2 x 10 ⁻³	

DMSO = dimethylsulfoxide

REFERENCES:

105. Broadly Tunable Dye Laser Emission to 12850 Å, K. Kato, *Appl. Phys. Lett.*, 33(6), 509 (1978)
244. R. Hochstrasser and G. Holtom, private commun., 1981; Output and tuning range for DNXTPC similar to DNDTPC. Use of a continuous purge of prepurified nitrogen and black bottles increased shelf life to several weeks instead of a few hours for DMSO solutions.

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

[DNXTPC Perchlorate](#) (zero references under "dnxtpc" in PubMed as of May 2006)