

HDITC Perchlorate

Synonym: 2-[7-(1,3-dihydro-1,1,3-trimethyl-2H-benz[e]indol-2-ylidene)-1,3,5-heptatrienyl]-1,1,3-trimethyl-1H-benz[e]indolium perchlorate

Catalog No.: 08330

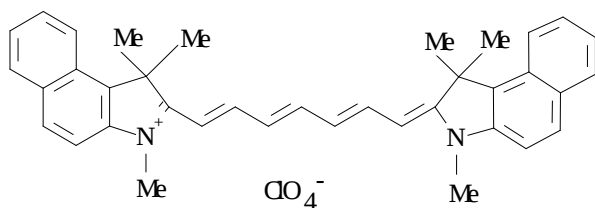
CAS No.: 23178-67-8

Chemical Formula: C₃₇H₃₇N₂.ClO₄

Molecular Weight: 609.16

Appearance: Bright green crystals

Structure:



Saturable Absorber and Solvent Catalog Number	Dyes for Hybridly Mode Locked Dye Lasers (Solvent)	Tuning Range(nm)	Pump Source Reference	Shortest Duration Pulse(fs)	
HDITCP 08330	Dimethylsulfoxide/Ethylene Glycol	Oxazine 750(Dimethylsulfoxide/ Ethylene Glycol)	750-835	m-I,Kr ¹⁸	800

REFERENCE:

18. Subpicosecond Light Pulses from a Synchronously Mode-Locked Dye Laser with Composite Gain and Absorber Medium, G.W. Fehrenbach,
K.J. Gruntz and R.G. Ulbrich, *Appl. Phys. Lett.*, 33(2), 159 (1978)