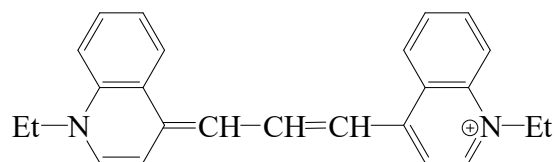




>>Entry Name: 1-Ethyl-4-[3-(1-ethyl-4(1*H*)-quinolinylidene)-1-propenyl]quinolinium(1⁺), 9Cl, 8Cl

Synonym(s): 1,1'-Diethyl-4,4'-carbocyanine



CAS Registry Number: 23728-07-6

Extra CAS Registry Numbers(s): 4727-50-8

Molecular Formula: C₂₅H₂₅N₂⁽⁺⁾

Molecular Weight: 353.486

Accurate Mass: 353.201773

Percentage Composition: C 84.95%; H 7.13%; N 7.92%

Use/Importance: Laser dye

Physical Description: Olive-green needles (EtOH) (as iodide)

Melting Point: Mp 250.5-253° (iodide)

References:

Kroutzberger, A. *et al.*, *Arch. Pharm. (Weinheim, Ger.)*, 1966, **299**, 984-990, (*synth*)

Makin, S.M. *et al.*, *Zh. Org. Khim.*, 1982, **18**, 2173-2176; *J. Org. Chem. USSR (Engl. Transl.)*, 1982, **18**, 1916-1918, (*synth, uv*)