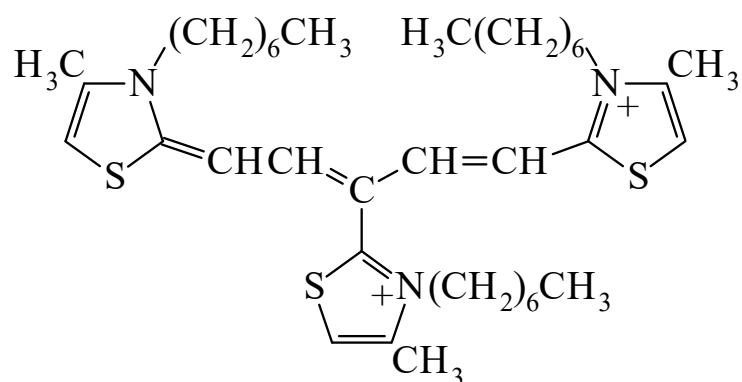




>>Entry Name: Platonin, JAN

Synonym(s): 2,2'-[3-[(3-Heptyl-4-methyl-2(3*H*)-thiazolylidene)ethylidene]-1-propene-1,3-diyl]bis[3-heptyl-4-methylthiazolium](2+), 9Cl. NK 19



CAS Registry Number: 6009-02-5

Molecular Formula: $C_{38}H_{61}N_3S_3^{2(+)}$

Molecular Weight: 656.118

Accurate Mass: 655.402757

Percentage Composition: C 69.56%; H 9.37%; N 6.40%; S 14.66%

>>Derivative: Iodide

CAS Registry Number: 3571-88-8

Molecular Formula: $C_{38}H_{61}I_2N_3S_3$

Molecular Weight: 909.927

Accurate Mass: 909.211703

Percentage Composition: C 50.16%; H 6.76%; I 27.89%; N 4.62%; S 10.57%

Use/Importance: Photosensitizing dye. Used as an immunomodulatory agent

Physical Description: Solid

Melting Point: Mp 202-204°

Hazard & Toxicity: LD₅₀ (rat, orl) 1540 mg/kg. LD₅₀ (rat, ipr) 49.5 mg/kg

References:

Belg. Pat., 1983, 894 635; CA, **99**, 10879b, (synth, pharmacol)

Kondo, N. *et al.*, J. Rheumatol., 1989, **16**, 936, (pharmacol)

Nakagawa, Y. *et al.*, Cancer Immunol. Immunother., 1993, **37**, 157, (activity)