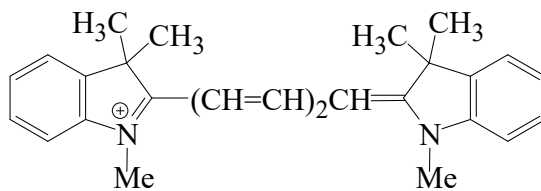




>>Entry Name: 2-[5-(1,3-Dihydro-1,3,3-trimethyl-2*H*-indol-2-ylidene)-1,3-pentadienyl]-1,3,3-trimethyl-3*H*-indolium(1+), 9Cl

Synonym(s): 1,1',3,3,3',3'-Hexamethylpentamethineindocyanine



CAS Registry Number: 48221-03-0

Molecular Formula: $C_{27}H_{31}N_2^{(+)}$

Molecular Weight: 383.555

Accurate Mass: 383.248723

Percentage Composition: C 84.55%; H 8.15%; N 7.30%

Use/Importance: Used in dye lasers

>>Derivative: Iodide

CAS Registry Number: 36536-22-8

Molecular Formula: $C_{27}H_{31}IN_2$

Molecular Weight: 510.46

Accurate Mass: 510.153196

Percentage Composition: C 63.53%; H 6.12%; I 24.86%; N 5.49%

Melting Point: Mp 205°

References:

Terutaro, O. *et al.*, *Nippon Kagaku Kaishi*, 1934, **55**, 394-436; *CA*, **28**, 5817¹, (*synth*)