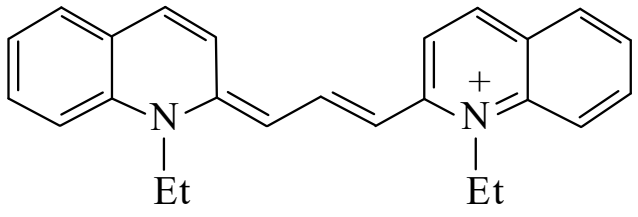
>>**Entry Name: Pinacyanol**
Synonym(s): 1-Ethyl-2-[3-(1-ethyl-2(1*H*)-quinolinylidene)propenyl]quinolinium(1+), 9CI



Related CAS Registry Numbers(s): 2670-67-9

Molecular Formula: $C_{25}H_{25}N_2^{(+)}$
Molecular Weight: 353.486
Accurate Mass: 353.201773
Percentage Composition: C 84.95%; H 7.13%; N 7.92%

>>**Derivative:** Chloride
Synonym(s): Quinaldine blue, INN, USAN**.** Pinacyanol chloride. Vernitest. NSC 56808

CAS Registry Number: 2768-90-3

Molecular Formula: $C_{25}H_{25}ClN_2$
Molecular Weight: 388.939
Accurate Mass: 388.170625
Percentage Composition: C 77.20%; H 6.48%; Cl 9.12%; N 7.20%
Use/Importance: Obstetric diagnostic aid. Non-intercalating dye, used as a biological stain
Physical Description: Blue-green prisms or needles (EtOH)
Melting Point: Mp 263° (dec.)
Other Data: Aq. soln. violet-red, alc. soln. blue
Aldrich: 20171-5
Sigma: P0392

>>**Derivative:** Bromide

CAS Registry Number: 2670-67-9
Molecular Formula: $C_{25}H_{25}BrN_2$
Molecular Weight: 433.39
Accurate Mass: 432.140109
Percentage Composition: C 69.29%; H 5.81%; Br 18.44%; N 6.46%
Melting Point: Mp 286 dec.°
Aldrich: 28198-0
Sigma: P9283

>>**Derivative:** Iodide

CAS Registry Number: 605-91-4
Molecular Formula: $C_{25}H_{25}IN_2$
Molecular Weight: 480.39
Accurate Mass: 480.106246
Percentage Composition: C 62.51%; H 5.25%; I 26.42%; N 5.83%
Melting Point: Mp 287-288°
Hazard & Toxicity: LD_{50} (rat, ipr) 16 mg/kg

Aldrich: 16651-0
Fluka: 80560
Sigma: P5162

References:

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