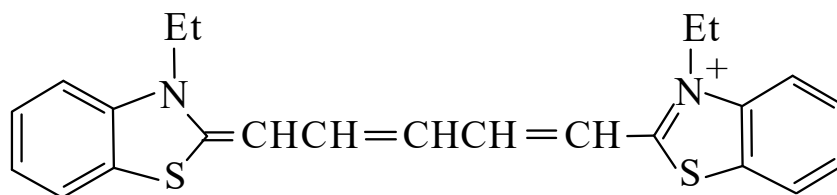




>>Entry Name: Dithiazanine(1+), BAN

Synonym(s): 3-Ethyl-2-[5-(3-ethyl-2(3*H*)-benzothiazolylidene)-1,3-pentadienyl]benzothiazolium, 9Cl. 3,3'-Diethylthiacarbocyanine



CAS Registry Number: 7187-55-5

Molecular Formula: C₂₃H₂₃N₂S₂⁽⁺⁾

Molecular Weight: 391.58

Accurate Mass: 391.130263

Percentage Composition: C 70.55%; H 5.92%; N 7.15%; S 16.38%

General Statement: Geom. isomerism not defined; undergoes isom. on photochem. excitation

>>Derivative: Iodide

Synonym(s): Dithiazanine iodide, INN. Abminthic. Delvex. Many other names

CAS Registry Number: 514-73-8

Type of Compound Code(s): XA0900

Molecular Formula: C₂₃H₂₃IN₂S₂

Molecular Weight: 518.485

Accurate Mass: 518.034736

Percentage Composition: C 53.28%; H 4.47%; I 24.48%; N 5.40%; S 12.37%

Use/Importance: Dye used as photographic sensitiser, constit. of dye lasers and as broad-spectrum anthelmintic

Physical Description: Green needles (MeOH)

Melting Point: Mp 248 dec.° (230°)

Hazard & Toxicity: LD₅₀ (mus, orl) 20 mg/kg

Aldrich: 17375-4

Fluka: 32540

Rare Chemicals Library: S60298-1

References:

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