



CERTIFICATE OF ANALYSIS

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1. Identification

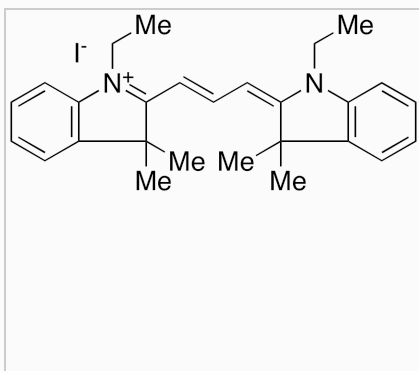
Catalogue Number: A790035

CAS Number: 14696-39-0

Product: Astrophloxine

Synonym: 1,1'-Diethyl-3,3',3'-tetramethylindocarbocyanine Iodide; 1-Ethyl-2-[3-(1-ethyl-1,3-dihydro-3,3-dimethyl-2H-indol-2-ylidene)-1-propen-1-yl]-3,3-dimethyl-3H-indolium Iodide; Astrophloxin; SNC 2;

Structure:



Molecular Formula:

C₂₇H₃₃IN₂

Molecular weight:

512.47

Source of Product:

Synthetic

Solubility:

DMSO (Slightly), Methanol (Slightly)

Lot Number: 1-WXT-156-1

Purity: 97%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: -20°C, Inert atmosphere, Light sensitive

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Purple to Very Dark Purple Solid	Very Dark Purple Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
HPLC Purity	>95%	99.58% (280 nm)
Elemental Analysis	Conforms	%C: 62.32, %H: 6.54, %N: 5.34

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Hanxiang Li	Toni Rantanen	My Nguyen	2/24/2021	2/22/2031

Hanxiang Li

Toni Rantanen

My Nguyen