



CERTIFICATE OF ANALYSIS

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1. Identification

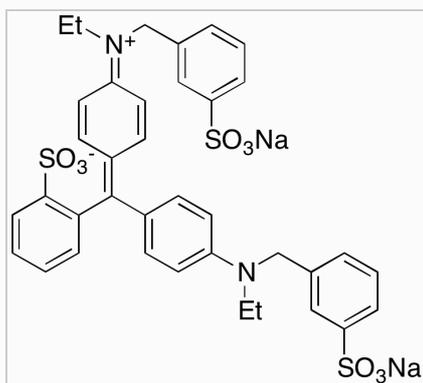
Catalogue Number: B677480

CAS Number: 3844-45-9

Product: Brilliant Blue FCF (Technical Grade)

Synonym: N-Ethyl-N-[4-[[4-[ethyl[(3-sulfophenyl)methyl]amino]phenyl](2-sulfophenyl)methylene]-2,5-cyclohexadien-1-ylidene]-3-sulfobenzenemethanaminium Inner Salt Sodium Salt;

Structure:



Molecular Formula:

$C_{37}H_{34}N_2Na_2O_9S_3$

Molecular weight:

792.85

Source of Product:

N/A

Solubility:

DMSO (Sparingly), Methanol (Slightly)

Lot Number: 18-SBL-100-1

Purity: Technical Grade

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

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
UV Absorbance	Report Result	214 nm, 308 nm, 410 nm, 630 nm
Appearance	Purple to Very Dark Purple Solid	Very Dark Red to Very Dark Purple Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
Water Content	Report Result	5.4% by Karl Fischer
Sodium Content	Report Result	4.75% by Ion Chromatography

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
Evan Burns	Toni Rantanen	Chanell Chu	8/24/2021	8/22/2025

Evan Burns