

Product Name: Nile Blue A
Catalog Number: A17174.06

CAS Number: 3625-57-8
IUPAC Name: [9-(diethylamino)benzo[a]phenoxazin-5-ylidene]azanium;sulfate
Molecular Formula: C₄₀H₄₀N₆O₆S
Molecular Weight: 732.84
MDL Number: MFCD00064529
InChI Key: QIRDPEPUXNCOLD-UHFFFAOYSA-N
SMILES: CCN(CC)C1=CC2=C(C=C1)N=C3C4=CC=CC=C4C(=[NH2+])C=C3O2.CCN(CC)C1=CC2=C(C=C1)N=C3C4=CC=CC=C4C(=[NH2+])C=C3O2.[O-]S(=O)(=O)[O-]
Synonym: nile blue cresyl fast violet cresol fast violet nile blue dye nile blue chloride

Product Specification

Appearance (Color): Dark green to dark blue or purple or very dark brown
Form: Powder
Loss on Drying: ≤8% (200°C)
lambda-max (UV-Vis): 630-640nm (50% aq ethanol)
Specific Absorbance (E 1%/1cm): ≥1500 at lambda max (50% aq ethanol)

Date Of Print: 02/16/2025

Product Specifications are subject to amendment and may change over time. Data contained is accurate as of the date printed.