

Product Name: Alcian Blue 8GX

Catalog Number: J60122.22

CAS Number: 33864-99-2

IUPAC Name: (9Z,18Z,26Z,35Z)-4,14,22,32-tetrakis({[(dimethylamino)(dimethyliminiumyl)methyl]sulfanyl}methyl)-9,18,27,36,37,39,40,41-octaaza-38-cupradecacyclo[17.17.3.1¹⁰,17.1²⁸,35.0²,7.0⁸,37.0¹¹,16.0²⁰,25.0²⁶,39.0²⁹,34]hentetraconta-1,3,5,7,9,11(16),12,14,17(41),18,20,22,24,26,28(40),29(34),30,32,35-nonadecaene-38,38-bis(ylum)tetrachloride

Molecular Formula: C₅₆H₆₈Cl₄CuN₁₆S₄

Molecular Weight: 1298.86

MDL Number: MFCD00010720

InChI Key: XRWQTDIELZDCPS-UHFFFAOYSA-J

SMILES: [Cl-].[Cl-].[Cl-].[Cl-].CN(C)C(SCC1=CC2=C(C=C1)\C1=NC3=C4C=CC(CSC(N(C)C)=[N+](C)C)=CC4=C4N=C5/N=C(/N=C6N([Cu++][N34]\C(=N/C2=N1)C1=CC(CSC(N(C)C)=[N+](C)C)=CC=C61)C1=C5C=C(CSC(N(C)C)=[N+](C)C)C=C1)=[N+](C)C

Synonym: (9Z,18Z,26Z,35Z)-4,14,22,32-tetrakis({[(dimethylamino)(dimethyliminio)methyl]sulfanyl}methyl)-9,18,27,36,37,39,40,41-octaaza-38-cupradecacyclo[17.17.3.1¹⁰,17.1²⁸,35.0²,7.0⁸,37.0¹¹,16.0²⁰,25.0²⁶,39.0²⁹,34]hentetraconta-1,3,5,7,9,11(16),12,14,17(41),18,20,22,24,26,28(40),29(34),30,32,35-nonadecaene-38,38-bis(ylum)tetrachloride

Product Specification

Appearance (Color): Dark blue to blue-green

Form: Powder or crystals or crystalline powder

Assay (Dye): ≥50%

lambda-max (UV-Vis): 610-635 nm

Solution Test: Clear blue solution (75 mg in 250 water)

Date Of Print: 05/03/2025

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