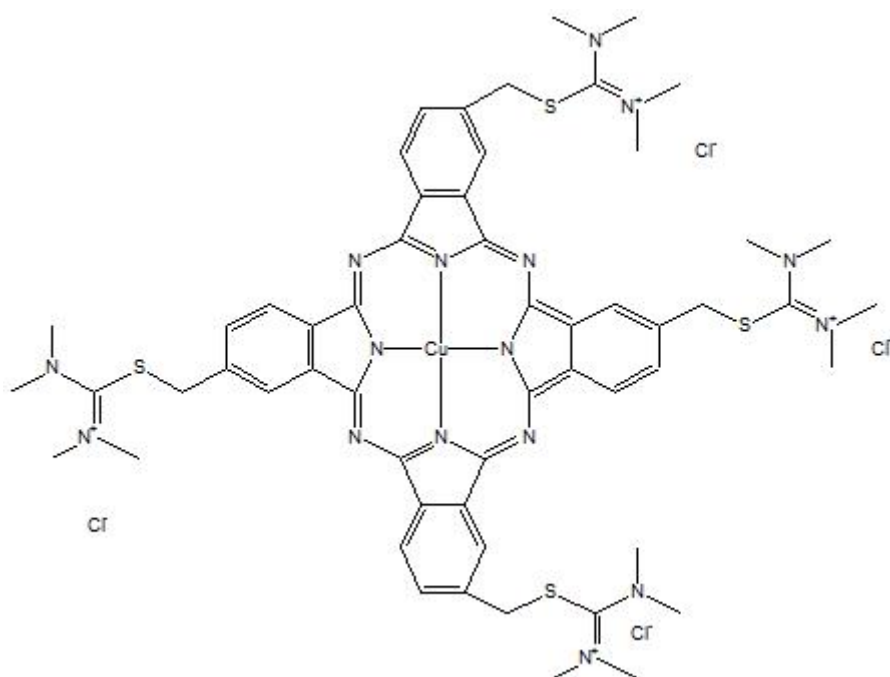


TECHNICAL INFORMATION

Catalog Number: 203450
Alcian Blue

Structure:



Molecular Formula: C₅₆H₆₈Cl₄CuN₁₆S₄

Molecular Weight: 1298.88

CAS # : 75881-23-1

Synonyms: Alcian Blue 8GX; C.I. 74240

Physical Description: Dark Blue Powder

Description: I_{max} is approximately 615 nm in water. Can be used as a differential stain for acidic polysaccharides.⁴ When staining pH is variably controlled, sulfomucins, sialomucins and uronic acid mucins can be distinguished.^{4,5,6} Can also be used for the demonstration of glycosaminoglycans in tissue sections.

Solubility: Soluble in water (8 mg/ml) or ethanol (1 mg/ml)

References:

- Scott, J.E., *J. Histochem. Cytochem.*, **v. 20**, 387 (1972).
- Scott, J.E., *Histochemie*, **v. 37**, 379-380 (1973).
- Ventkataraman, K., *The Chemistry of Synthetic Dyes*; Academic: New York and London, (1952).
- Steedman, H.F., *Micros. Sci.*, **v. 91**, 477-479 (1950).
- Lison, L., *Stain Technol.*, **v. 29**, 131-138 (1954).
- Mowry, R., *J. Histochem. Cytochem.*, **v. 4**, 407 (1956).
- Scott, J.E., Dorling, J., *Histochemie*, **v. 5**, 281 (1965).

– Morgan, R.E., Moore, J.S., Phillips, G.O., *J. Histochem. Cytochem.*, v. **20**, 831 (1972).