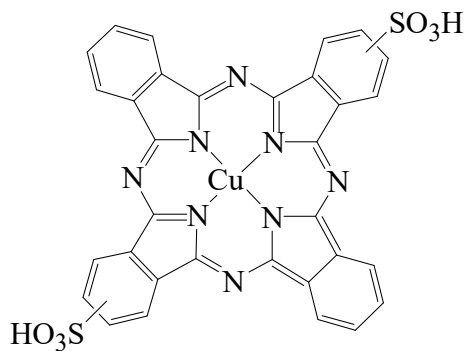




>>Entry Name: [29H,31H-Phthalocyaninedisulfonato(2-)-N²⁹,N³⁰,N³¹,N³²]copper

Synonym(s): Dihydrogen [29H,31H-phthalocyaninedisulfonato(4-)-N²⁹,N³⁰,N³¹,N³²]cuprate(2-). [Dihydrogen phthalocyaninedisulfonato(2-)]copper, 10Cl. Copper(II) disulfophthalocyanine



Molecular Formula: C₃₂H₁₆CuN₈O₆S₂

Molecular Weight: 736.206

Accurate Mass: 735.00302

Percentage Composition: C 52.21%; H 2.19%; Cu 8.63%; N 15.22%; O 13.04%; S 8.71%

>>Derivative: Di-Na salt

Synonym(s): C.I. Direct Blue 86

CAS Registry Number: 1330-38-7

Molecular Formula: C₃₂H₁₄CuN₈Na₂O₆S₂

Molecular Weight: 780.17

Accurate Mass: 778.966904

Percentage Composition: C 49.27%; H 1.81%; Cu 8.15%; N 14.36%; Na 5.89%; O 12.30%; S 8.22%

Source/Synthesis: Manuf. by sulfonating Cu phthalocyanine

Use/Importance: Used as a dye for natural and synthetic fibres

Physical Description: Blue compd.

>>Derivative: Ba salt

Synonym(s): C.I. Pigment Blue 17

CAS Registry Number: 67340-41-4

Molecular Formula: C₃₂H₁₄BaCuN₈O₆S₂

Molecular Weight: 871.518

Accurate Mass: 870.892602

Percentage Composition: C 44.10%; H 1.62%; Ba 15.76%; Cu 7.29%; N 12.86%; O 11.01%; S 7.36%

Use/Importance: Used as a pigment

References:

East Ger. Pat., 1990, 275 585; CA, **113**, 99400s, (di-Na salt, manuf)