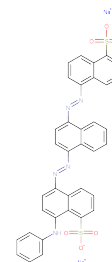


C.I. Acid Black 24

Chemical Properties

CAS No. : 3071-73-6
Formula: C₃₆H₂₅N₅NaO₆S₂
Molecular Weight: 710.73
Appearance: no data available
Storage: keep away from direct sunlight
Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	C.I. Acid Black 24 is a dye that is a blue-black powder. Soluble in water, aqueous solution is reddish blue to black, greenish blue when added to concentrated hydrochloric acid; date red when added to concentrated sodium hydroxide solution. Dissolved in ethanol is navy blue, in concentrated sulfuric acid is gray-blue to black, after dilution is dark green light blue; in concentrated nitric acid is red light brown and then changed to yellow. Used for dyeing woolen fabrics, also suitable for nylon, silk and leather dyeing.
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Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.407 mL	7.035 mL	14.070 mL
5 mM	0.2814 mL	1.407 mL	2.814 mL
10 mM	0.1407 mL	0.7035 mL	1.407 mL
50 mM	0.0281 mL	0.1407 mL	0.2814 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Shu HY, Chang MC, Chang CC. Integration of nanosized zero-valent iron particles addition with UV/H₂O₂ process for purification of azo dye Acid Black 24 solution. J Hazard Mater. 2009 Aug 15;167(1-3):1178-84. doi: 10.1016/j.

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