

## Acid orange 51

## Chemical Properties

CAS No. :	8003-88-1
Formula:	C <sub>36</sub> H <sub>26</sub> N <sub>6</sub> Na <sub>2</sub> O <sub>11</sub> S <sub>3</sub>
Molecular Weight:	860.8
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

## Biological Description

Description	Acid Orange 51, an azo dye, appears as a reddish-brown crystalline powder with the chemical formula C <sub>20</sub> H <sub>11</sub> N <sub>2</sub> NaO <sub>5</sub> S and a molecular weight of 414.37 g/mol. It is soluble in water and ethanol, and is commonly utilized in dyeing and printing textiles, as well as in biochemical research as a pH indicator.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1617 mL	5.8086 mL	11.6171 mL
5 mM	0.2323 mL	1.1617 mL	2.3234 mL
10 mM	0.1162 mL	0.5809 mL	1.1617 mL
50 mM	0.0232 mL	0.1162 mL	0.2323 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

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