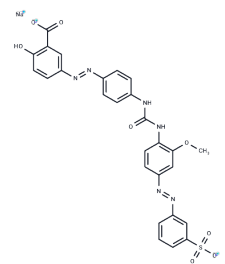


## Direct Yellow 44

## Chemical Properties

CAS No. :	7248-45-5
Formula:	C27H20N6Na2O8S
Molecular Weight:	634.53
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Direct Yellow 44, a versatile dye, serves crucial roles across various scientific and industrial domains. This compound facilitates the observation and analysis of cell structures, enables the tracking of biomolecules, and assists in evaluating cell functions. It is instrumental in distinguishing cell types, detecting biomolecules, studying tissue pathology, and monitoring microorganisms. Its utility spans from fundamental research to a broad array of clinical diagnostics. Beyond its scientific application, Direct Yellow 44 is employed extensively in conventional textile dyeing, as well as in progressive sectors like functional textile processing, food pigments, and dye-sensitized solar cells.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.576 mL	7.8798 mL	15.7597 mL
5 mM	0.3152 mL	1.576 mL	3.1519 mL
10 mM	0.1576 mL	0.788 mL	1.576 mL
50 mM	0.0315 mL	0.1576 mL	0.3152 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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