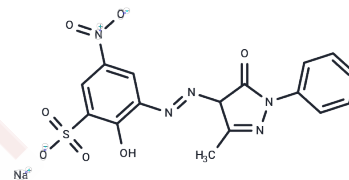


## C.I. Mordant Orange 29

### Chemical Properties

CAS No. : 6054-86-0  
 Formula: C<sub>16</sub>H<sub>12</sub>N<sub>5</sub>NaO<sub>7</sub>S  
 Molecular Weight: 441.35  
 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	C.I. Mordant Orange 29 serves as a versatile dye with applications spanning from traditional textile dyeing to cutting-edge uses in dye-sensitized solar cells. Typically utilized in biological experiments, this dye enables the observation and analysis of cell structures, tracking of biomolecules, evaluation of cell functions, and distinction of cell types. Additionally, it aids in detecting biomolecules, studying tissue pathology, and monitoring microorganisms. Its diverse applications extend beyond basic scientific research to include clinical diagnostics, functional textile processing, and food pigments, underscoring its widespread utility in both conventional and novel fields.
Targets(IC50)	Others

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2658 mL	11.3289 mL	22.6578 mL
5 mM	0.4532 mL	2.2658 mL	4.5316 mL
10 mM	0.2266 mL	1.1329 mL	2.2658 mL
50 mM	0.0453 mL	0.2266 mL	0.4532 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**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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