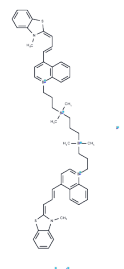


## TOTO-3

## Chemical Properties

CAS No. :	166196-17-4
Formula:	C <sub>53</sub> H <sub>62</sub> I <sub>4</sub> N <sub>6</sub> S <sub>2</sub>
Molecular Weight:	1354.85
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	TOTO-3 (TOTO 3) serves as a versatile dye utilized extensively across various domains. This compound plays a crucial role in biological research by facilitating the observation and analysis of cell structures, tracking biomolecules, assessing cell functions, differentiating between cell types, and studying tissue pathology. Furthermore, TOTO-3 aids in the monitoring of microorganisms, significantly contributing to both foundational scientific research and clinical diagnostics. Beyond its scientific applications, the dye finds usage in traditional industries like textile dyeing and in innovative areas including functional textile processing, food coloring, and dye-sensitized solar cells.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7381 mL	3.6904 mL	7.3809 mL
5 mM	0.1476 mL	0.7381 mL	1.4762 mL
10 mM	0.0738 mL	0.369 mL	0.7381 mL
50 mM	0.0148 mL	0.0738 mL	0.1476 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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