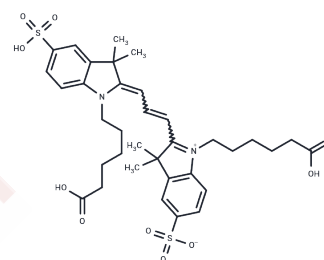


## Sulfo-Cy3 diacid

### Chemical Properties

CAS No. :	146397-17-3
Formula:	C <sub>35</sub> H <sub>44</sub> N <sub>2</sub> O <sub>10</sub> S <sub>2</sub>
Molecular Weight:	716.86
Storage:	Keep away from direct sunlight Store at -20°C <small>Actual storage temperature shall be subject to the COA.</small>



### Biological Description

Description	Sulfo-Cy3 diacid is a CY3-derived dye. CY3 (Cyanine3) is an amine-reactive rhodamine orange dye with Ex/Em=550/570 nm, frequently employed for fluorescent labelling of proteins and nucleic acids.
Targets(IC50)	Others
In vitro	Cy3 diacid, a fluorescent dye, is widely used to label peptides, proteins and nucleic acids, Ex(nm): 548, Em(nm): 562

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.395 mL	6.9749 mL	13.9497 mL
5 mM	0.279 mL	1.395 mL	2.7899 mL
10 mM	0.1395 mL	0.6975 mL	1.395 mL
50 mM	0.0279 mL	0.1395 mL	0.279 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.

### Reference

Armitage B A. Cyanine dye-DNA interactions: intercalation, groove binding, and aggregation[J]. DNA Binders and Related Subjects: -/-, 2005: 55-76.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481