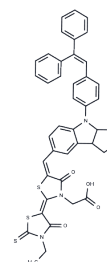


D149 Dye

Chemical Properties

CAS No. :	786643-20-7
Formula:	C42H35N3O4S3
Molecular Weight:	741.94
Storage:	Keep away from direct sunlight 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	D149 Dye is an indoline-based, high-extinction-coefficient, metal-free organic sensitizer.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 21 mg/mL (28.3 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3478 mL	6.7391 mL	13.4782 mL
5 mM	0.2696 mL	1.3478 mL	2.6956 mL
10 mM	0.1348 mL	0.6739 mL	1.3478 mL
50 mM	0.027 mL	0.1348 mL	0.2696 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

- Lin J, et al. 3D hierarchical rutile TiO₂ and metal-free organic sensitizer producing dye-sensitized solar cells 8.6% conversion efficiency. *Sci Rep.* 2014 Aug 29;4:5769.
- El-Zohry A, et al. Isomerization and Aggregation of the Solar Cell Dye D149. *J Phys Chem C Nanomater Interfaces.* 2012 Dec 20;116(50):26144-26153.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

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