

STY-BODIPY

Chemical Properties

CAS No. : 2383063-37-2

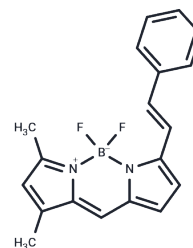
Formula: C₁₉H₁₇BF₂N₂

Molecular Weight: 322.17

Keep away from direct sunlight

Storage: Store at -20°C

Actual storage temperature shall be subject to the COA.



Biological Description

Description	STY-BODIPY (Styrene-BODIPY) is a styrene-conjugated fluorescent probe enabling calculation of radical trapping antioxidant (RTA) activity by monitoring absorbance loss at 571 nm.
Targets(IC50)	Others

Solubility Information

Solubility	Benzene: 0.5 mg/mL (1.55 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.104 mL	15.5198 mL	31.0395 mL
5 mM	0.6208 mL	3.104 mL	6.2079 mL
10 mM	0.3104 mL	1.552 mL	3.104 mL
50 mM	0.0621 mL	0.3104 mL	0.6208 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

Haidasz EA, et al. A Continuous Visible Light Spectrophotometric Approach To Accurately Determine the Reactivity of Radical-Trapping Antioxidants. J Org Chem. 2016 Feb 5;81(3):737-44.

Shah R, et al. Resolving the Role of Lipoxygenases in the Initiation and Execution of Ferroptosis. ACS Cent Sci. 2018 Mar 28;4(3):387-396.

Chauvin JR, et al. Polysulfide-1-oxides react with peroxy radicals as quickly as hindered phenolic antioxidants and do so by a surprising concerted homolytic substitution. Chem Sci. 2016 Oct 1;7(10):6347-6356.

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