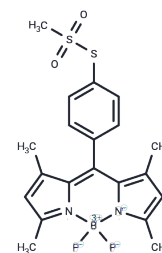


BODIPY-TS

Chemical Properties

| | |
|-------------------|--|
| CAS No. : | 1808174-52-8 |
| Formula: | C ₂₀ H ₂₁ BF ₂ N ₂ O ₂ S ₂ |
| Molecular Weight: | 434.33 |
| 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 | BODIPY-TS (also known as Thiol-green 2) is a highly efficient thiol-specific turn-on probe with a fast response. It incorporates a thiosulfonate scaffold as its thiol recognition unit. BODIPY-TS displays excellent selectivity, low detection limit, and quantitative reactivity towards thiols. Moreover, it exhibits low toxicity. Notably, BODIPY-TS exhibits excitation at 490 nm and emission at 515 nm. |
| Targets(IC50) | Others |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 2.3024 mL | 11.512 mL | 23.024 mL |
| 5 mM | 0.4605 mL | 2.3024 mL | 4.6048 mL |
| 10 mM | 0.2302 mL | 1.1512 mL | 2.3024 mL |
| 50 mM | 0.046 mL | 0.2302 mL | 0.4605 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

Chunpo Ge, et al. A thiol-thiosulfonate reaction providing a novel strategy for turn-on thiol sensing. Chem Commun (Camb). 2015 Oct 14;51(80):14913-6.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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