
Product Data Sheet

Product Name: BODIPY-TS

Cat. No.: GC61554

Chemical Properties

Cas. No. 1808174-52-8

SMILES CS(SC1=CC=C(C2=C3[N+](F)(F)N4C2=C(C)C=C4C)=C(C)C=C3C)C=C1(=O)=OFormula C₂₀H₂₁BF₂N₂O₂S₂

M.Wt 434.33

Solubility DMSO : 100 mg/mL (230.24 mM; Need ultrasonic) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

BODIPY-TS (Thiol-green 2) is a fast response and thiol-specific turn-on probe. BODIPY-TS utilizes the thiosulfonate scaffold as a thiol recognition unit. BODIPY-TS has low toxicity, and features high selectivity, low detection limit, and quantitative reaction to thiols[1]. Ex: 490 nM; Em: 515 nM.

[1]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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