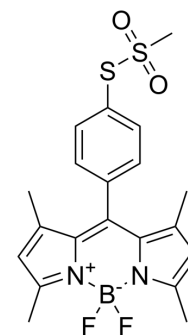


BODIPY-TS

Cat. No.:	HY-D1262
CAS No.:	1808174-52-8
Molecular Formula:	C ₂₀ H ₂₁ BF ₂ N ₂ O ₂ S ₂
Molecular Weight:	434.33
Target:	Fluorescent Dye
Pathway:	Others
Storage:	-20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (230.24 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
1 mM		2.3024 mL	11.5120 mL	23.0240 mL
5 mM		0.4605 mL	2.3024 mL	4.6048 mL
10 mM		0.2302 mL	1.1512 mL	2.3024 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

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.

REFERENCES

[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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