BODIPY Green 8-P2M

Cat. No.: HY-D1590

CAS No.: 929679-22-1

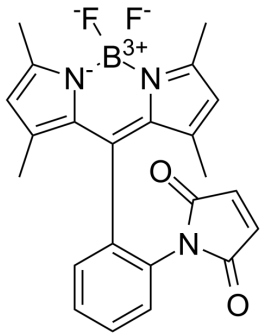
Molecular Formula: $C_{23}H_{20}BF_2N_3O_2$

Molecular Weight: 419.23

Target: Fluorescent Dye

Pathway: Others

Storage: 4°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 : 50 mg/mL (119.27 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.3853 mL	11.9266 mL	23.8533 mL
	5 mM	0.4771 mL	2.3853 mL	4.7707 mL
	10 mM	0.2385 mL	1.1927 mL	2.3853 mL

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

BIOLOGICAL ACTIVITY

Description

ODIPY Green 8-P2M is a novel thiol-reactive fluorescence probe based on the BODIPY fluorophore, the fluorescence is strongly quenched by d-PeT and then can be restored after reaction with thiol, resulting in an extremely high signal-to-noise ratio. ODIPY Green 8-P2M can be useful for detecting extremely low concentrations of protein in the gel after SDS-PAGE[1].

REFERENCES

[1]. Takuya Matsumoto, et al. A thiol-reactive fluorescence probe based on donor-excited photoinduced electron transfer: key role of ortho substitution. Org Lett. 2007 Aug 16;9(17):3375-7.

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