



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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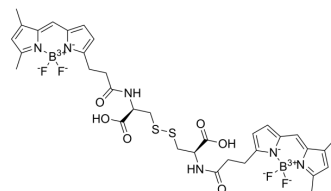
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BODIPY FL L-Cystine

Cat. No.:	HY-D1605
CAS No.:	1180490-57-6
Molecular Formula:	C ₃₄ H ₃₈ B ₂ F ₄ N ₆ O ₆ S ₂
Molecular Weight:	788.45
Target:	Fluorescent Dye
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (63.42 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent \ Concentration \ Mass	1 mg	5 mg	10 mg
		1 mM	1.2683 mL	6.3416 mL	12.6831 mL
		5 mM	0.2537 mL	1.2683 mL	2.5366 mL
		10 mM	0.1268 mL	0.6342 mL	1.2683 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 1.67 mg/mL (2.12 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	BODIPY FL L-Cystine is a thiol-reactive, green-fluorescent dye. BODIPY FL L-Cystine can be the labeling of membrane proteins, proteins with hydrophobic binding sites, or hydrophobic ligands. (λ_{ex} =504 nm, λ_{em} =511 nm) ^{[1][2]} .
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REFERENCES

- [1]. Hofmann L, et, al. An effective thiol-reactive probe for differential scanning fluorimetry with a standard real-time polymerase chain reaction device. *Anal Biochem.* 2016 Apr 15;499:63-65.
- [2]. Kumar D, et, al. Glutathione-mediated release of Bodipy® from PEG cofunctionalized gold nanoparticles. *Int J Nanomedicine.* 2012;7:4007-22.

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

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