

## BODIPY 558/568 C12

## Chemical Properties

CAS No. : 158757-84-7

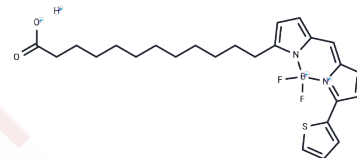
Formula: C<sub>25</sub>H<sub>31</sub>BF<sub>2</sub>N<sub>2</sub>O<sub>2</sub>S

Molecular Weight: 472.4

Storage: Store at low temperature, Keep away from direct sunlight

Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	BODIPY 558/568 C12 (Red C12) is an intracellular BODIPY dye that crosses cell membranes and is an orange-red fluorescent fatty acid that can be used to label living cells by localizing on intracellular neutral lipids for specific staining.
Targets(IC50)	Others

## Solubility Information

Solubility	DMF: 100 mg/mL (211.69 mM), Sonication is recommended. DMSO: 100 mg/mL (211.69 mM), Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1169 mL	10.5843 mL	21.1685 mL
5 mM	0.4234 mL	2.1169 mL	4.2337 mL
10 mM	0.2117 mL	1.0584 mL	2.1169 mL
50 mM	0.0423 mL	0.2117 mL	0.4234 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

Targett-Adams, P., et al. Live cell analysis and targeting of the lipid droplet-binding adipocyte differentiation-related protein. *J. Biol. Chem.* 278(18), 15998-16007 (2003).

Rambold, A.S., et al. Fatty acid trafficking in starved cells: Regulation by lipid droplet lipolysis, autophagy, and mitochondrial fusion dynamics. *Dev. Cell.* 32(6), 678-692 (2015).

Yu Y, et al. Human cytomegalovirus infection induces adipocyte-like lipogenesis through activation of sterol regulatory element binding protein 1. *J Virol.* 2012 Mar;86(6):2942-9.

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