

## BODIPY-FL NHS ester

## Chemical Properties

CAS No. :	146616-66-2
Formula:	C <sub>18</sub> H <sub>18</sub> BF <sub>2</sub> N <sub>3</sub> O <sub>4</sub>
Molecular Weight:	389.16
Storage:	Keep away from moisture, Keep away from direct sunlight, Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

## Biological Description

Description	BODIPY-FL NHS ester (BODIPY FL, SE) is a cell-permeable, amine-reactive fluorescent probe. This probe has excitation and emission peaks at 502 nm and 511 nm, respectively. BODIPY-FL NHS ester exhibits high stability and is insensitive to solvent polarity, pH, and solvent type, maintaining stable fluorescence properties under various environmental conditions. BODIPY-FL NHS ester can be used in multiple applications, including the synthesis of protease substrates, live-cell imaging, protein labeling, and immunoassays.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 80 mg/mL (205.57 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	2.5696 mL	12.8482 mL	25.6964 mL
5 mM	0.5139 mL	2.5696 mL	5.1393 mL
10 mM	0.257 mL	1.2848 mL	2.5696 mL
50 mM	0.0514 mL	0.257 mL	0.5139 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

D'Amore C, et al. Synthesis and Biological Characterization of a New Norbormide Derived Bodipy FL-Conjugated Fluorescent Probe for Cell Imaging. Front Pharmacol. 2018 Sep 25;9:1055.

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