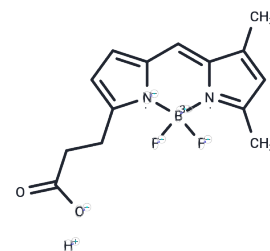


BODIPY-FL

Chemical Properties

CAS No. :	165599-63-3
Formula:	C ₁₄ H ₁₅ BF ₂ N ₂ O ₂
Molecular Weight:	292.09
Appearance:	no data available
Storage:	keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	BODIPY-FL (BDP FL acid) is a broad-spectrum and effective fluorescent dye that can be used to label probes or primers and is a compound for the quantitative detection of specific DNA/RNA based on fluorescence bursts. BODIPY-FL-labelled monoterpenes can be used to detect Gram-positive and Gram-negative bacteria as characteristic and pathogenic fungi.
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Solubility Information

Solubility	DMSO: 90.0 mg/mL (308.1 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	3.4236 mL	17.118 mL	34.236 mL
5 mM	0.6847 mL	3.4236 mL	6.8472 mL
10 mM	0.3424 mL	1.7118 mL	3.4236 mL
50 mM	0.0685 mL	0.3424 mL	0.6847 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.

Reference

Kurata S, et al. Fluorescent quenching-based quantitative detection of specific DNA/RNA using a BODIPY((R)) FL-labeled probe or primer. Nucleic Acids Res. 2001 ; 29(6):E34.

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