

BDP FL maleimide

Chemical Properties

CAS No. :	773859-49-7
Formula:	C ₂₀ H ₂₁ BF ₂ N ₄ O ₃
Molecular Weight:	414.21
Storage:	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	BDP FL maleimide is a thiol-reactive dye (Ex: 503 nm; Em: 509 nm). BDP FL maleimide is utilized for protein labeling and peptide modification and serves as an alternative to fluorescein (FAM) in microscopy applications, and BDP FL maleimide is applied in bioimaging research focused on cysteine-selective bioconjugation, fluorescence-based protein tracking, and thiol-reactive probe development.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 25 mg/mL (60.36 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	2.4142 mL	12.0712 mL	24.1423 mL
5 mM	0.4828 mL	2.4142 mL	4.8285 mL
10 mM	0.2414 mL	1.2071 mL	2.4142 mL
50 mM	0.0483 mL	0.2414 mL	0.4828 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

Jakob W Buecheler, et al. Impact of Payload Hydrophobicity on the Stability of Antibody-Drug Conjugates. Mol Pharm. 2018 Jul 2;15(7):2656-2664.

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