

## BDP R6G maleimide

## Chemical Properties

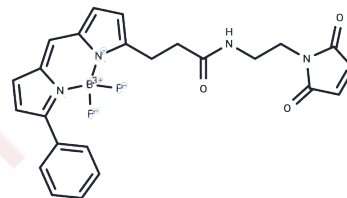
CAS No. : 2183473-32-5

Formula: C<sub>24</sub>H<sub>21</sub>BF<sub>2</sub>N<sub>4</sub>O<sub>3</sub>

Molecular Weight: 462.26

Storage: 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	BDP R6G maleimide, a borodipyrrromethane fluorophore, exhibits absorption and emission wavelengths akin to R6G rhodamine. It is a thiol-reactive dye and interacts with thiol groups to create thioester bonds [1]. This compound is commonly used for sulfhydryl labeling of cysteine residues, offering more site-specific labeling than the NHS ester of the amine group.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1633 mL	10.8164 mL	21.6328 mL
5 mM	0.4327 mL	2.1633 mL	4.3266 mL
10 mM	0.2163 mL	1.0816 mL	2.1633 mL
50 mM	0.0433 mL	0.2163 mL	0.4327 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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