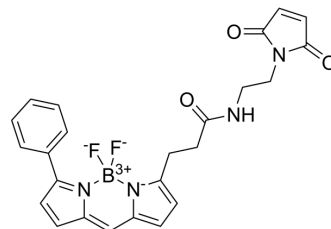


## BDP R6G maleimide

Cat. No.:	HY-D1363
CAS No.:	2183473-32-5
Molecular 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
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

BDP R6G maleimide is a borodipyrrromethane fluorophore with absorption and emission wavelengths similar to those of R6G rhodamine. Sulfhydryl labelling is a common protein modification where the cysteine residues in the protein allow more site-specific labelling than the NHS ester of the amine group. BDP R6G maleimide is a thiol reactive dye that reacts with thiol groups to form thioester bonds<sup>[1]</sup>.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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