

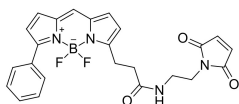
BDP R6G maleimide (A270104)

Specifications:

Name:	BDP R6G maleimide
Description:	BDP R6G is a borondipyrromethene fluorophore whose absorption and emission spectra match those of rhodamine 6G (R6G) dye. Thiol labeling is often an option of choice for the modification of proteins. Limited number of cysteine residues in proteins allow for more site-specific labeling than NHS ester labeling of amine groups, which are encountered in large number in many proteins. This maleimide is a thiol reactive dye.
Absorption Maxima:	530 nm
Emission Maxima:	548 nm
Fluorescence Quantum Yield:	0.96
CAS Number:	2183473-32-5
CF ₂₆₀ :	0.17
CF ₂₈₀ :	0.18
Mass Spec M+ Shift after Conjugation:	462.2
Purity:	95% (by ¹ H NMR and HPLC-MS).
Molecular Formula:	C ₂₄ H ₂₁ N ₄ BF ₂ O ₃
Molecular Weight:	462.26 kDa
Product Form:	Red or brown solid.
Solubility:	Good in DMF, DMSO, and DCM.
Storage:	Shipped at room temperature. Upon delivery, store in the dark at -20°C. Avoid prolonged exposure to light. Desiccate.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

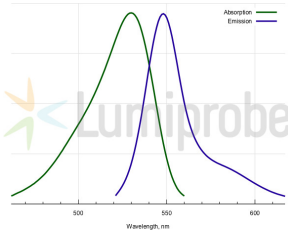
Images:

Structure of BDP R6G maleimide.



BDP R6G maleimide (A270104)

Images continued:



Absorption and emission spectra of BDP R6G.