

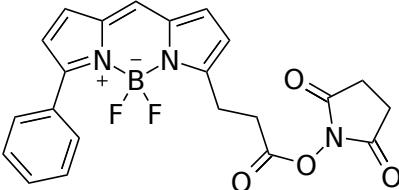
Bodi Fluor™ R6G NHS Ester [equivalent to Bodipy® R6G, NHS Ester]

Catalog Number: 703
Unit Size: 5 mg

Product Details

Storage Conditions	Freeze (< -15 °C), Minimize light exposure
Expiration Date	12 months upon receiving

Chemical Properties

Appearance	Solid dark red
Molecular Weight	437.21
Soluble In	DMSO
Chemical Structure	 The chemical structure shows a Bodipy core (a trisubstituted boron atom bonded to three nitrogen atoms, with two fluorine atoms on one nitrogen) attached to a 1,4-dihydronaphthalene-2,6-dione group. This group is further substituted with a 4-phenyl-1,3-butadiene side chain and a 2-(NHS)ethyl ester side chain.

Spectral Properties

Excitation Wavelength	528 nm
Emission Wavelength	547 nm

Applications

Bodi Fluor™R6G, NHS ester is the same molecule to Bodipy® R6G, NHS ester (Bodipy® is the trademark of Invitrogen). Bodi Fluor™R6G has the excitation and emission spectra similar to rhodamine 6G. Compared to rhodamine 6G, Bodi Fluor™R6G is a neutral molecule, and its fluorescence is not pH-dependent. Bodi Fluor™R6G gives bright green fluorescence with a sharp emission peak. Bodi Fluor™R6G has been used for developing fluorescent intracellular tracers. Its conjugates are cell-permeable as long as its carriers are cell-permeable.