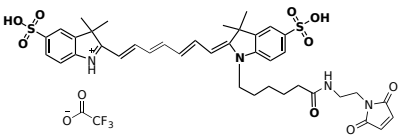
CypHer7E Maleimide

Catalog Number: 21915
Unit Size: 1 mg

Product Details

Storage Conditions	Freeze (< -15 °C), Minimize light exposure
Expiration Date	24 months upon receiving

Chemical Properties

Appearance	Solid
Molecular Weight	890.94
Soluble In	DMSO
Chemical Structure	

Spectral Properties

Excitation Wavelength	748 nm
Emission Wavelength	769 nm

Applications

CypHer7E maleimide is an excellent building block for developing site-specific pH probes. It can be readily conjugated to thiol-containing biomolecules (such as antibodies, peptides and thiol-modified oligos). It is analogous to CypHer5E maleimide with much longer excitation and emission. It is one of the very few acidotropic pH probes that exhibit NIR fluorescence. CypHer7E is a NIR pH-sensitive cyanine dye derivative that can be used to study most classes of cell surface receptors which internalize into the endocytic pathway when activated by a ligand. CypHer7E maleimide is a flexible, generic fluorophore that can be coupled to a receptor or epitope tag antibody and monitors neutral to acidic intracellular events.

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