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AZDYE 800Z GLY-GLY-GLY

SKU: CCT-1557



DESCRIPTION

Water-soluble, substrate for sortase mediated labeling of proteins. Sortase catalyzes a transpeptidase reaction between a specific internal sequence of a protein and an amine group present on the N-terminus of triglycine recently has become an area of great interest. This method of labeling proteins has been denoted as “Sortagging”.

AZDye 800Z is a conceptually new class of sterically shielded NIR cyanine heptamethine dye. This dye contains two shielding PEG arms directly over both faces of the heptamethine fluorochrome blocking any undesired bimolecular association processes and thus dramatically enhances the fluorescence brightness. In addition, AZDye 800Z is a zwiteroinic, charge-balanced dye with an equal number of anionic sulfonate and cationic ammonium residues, a structural feature that is known to reduce interactions with off target biological surfaces.

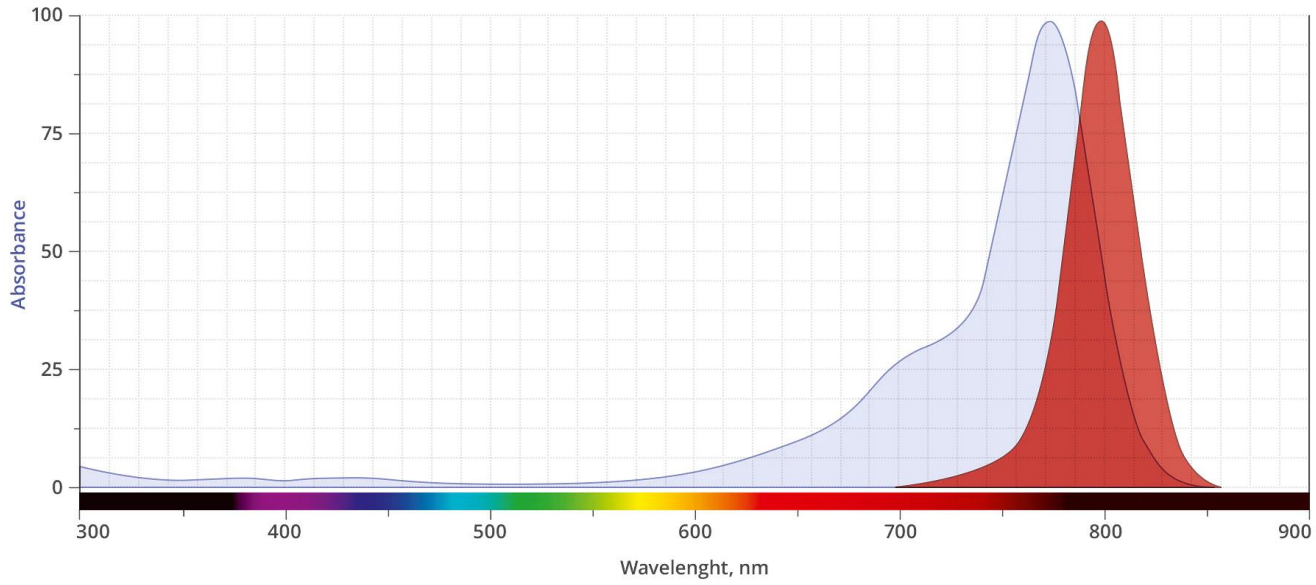
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SPECIFICATIONS

CAS Number	N/A
Molecular Weight	1748.15
Appearance	Dark green solid
Chemical Formula	C84H128N15O21S2
Extinction Coefficient	205,000 cm-1M-1
Unit Size	1 mg, 5 mg, 25 mg
Solubility	Water
Storage Instructions	-20°C. Desiccate
Excitation/Emission Maximum	774/798 nm
Shipping Conditions	Ambient temperature
Shipping Instructions	Ambient temperature

ABS/EM SPECTRA



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DOCUMENTS

- Safety Data Sheet
- Datasheet

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