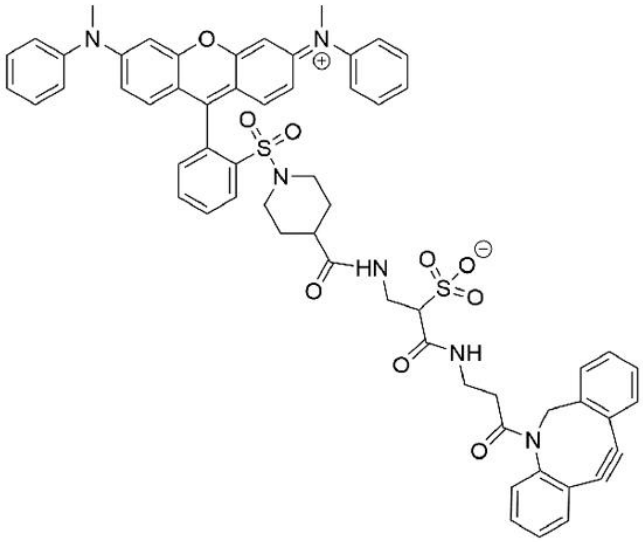
www.vectorlabs.com
Email: customerservice@vectorlabs.com
Telephone: (650) 697-3600

SY-7 DBCO

SKU: FP-1703



DESCRIPTION

SY-7 DBCO (QSY®-7 equivalent) is a nonfluorescent acceptor dye for preparation of peptide and oligonucleotide FRET probes. A broad and intense quenching range from 500-600 nm makes it useful as an acceptor in fluorescence resonance energy transfer (FRET) applications in conjunction with fluorescent dyes at 520 nm to 600 nm, such as Fluorescein, Oregon Green, Carboxyrhodamine 110 (Rhodamine Green), Alexa Fluor® 488, 532, 546, 555, 568, Cy3, TAMRA and ROX dyes.

SY-7 DBCO reacts with azides via a copper-free “click chemistry” reaction to form a stable triazole and does not require Cu-catalyst or elevated temperatures. In application where the presence of copper is a concern SY-7 DBCO is an ideal alternative to copper requiring fluorescent alkynes.

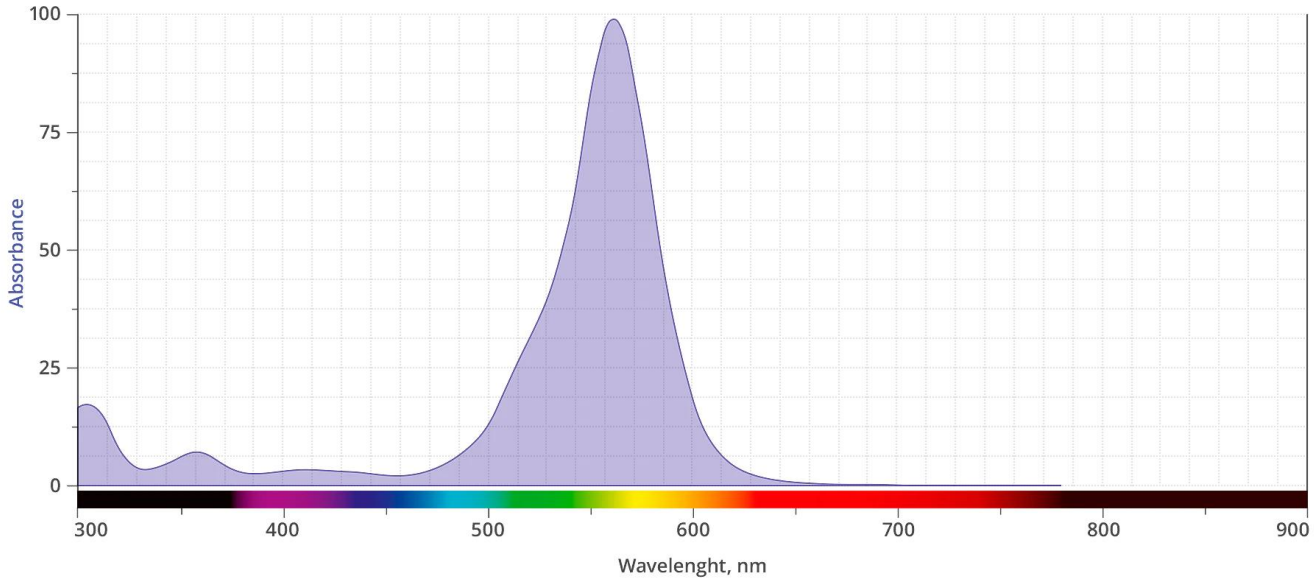
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SPECIFICATIONS

Molecular Weight	1067.24
Extinction Coefficient	90,000 cm-1M-1
Reactivity	Azide
Unit Size	5 mg, 25 mg, 100 mg
Solubility	DMSO, DMF
Storage Instructions	-20°C.
Spectrally Similar Dyes	Carboxyrhodamine 110 (Rhodamine Green), Alexa Fluor® 488, 532, 546, 555, 568, Cy3, TAMRA and ROX
Excitation/Emission Maximum	500 nm
Shipping Conditions	Ambient temperature
Shipping Instructions	Ambient temperature

ABS/EM SPECTRA



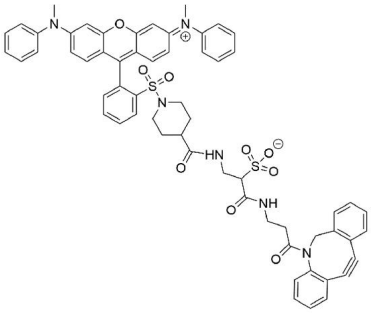
DOCUMENTS

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- Safety Data Sheet
- Datasheet

GALLERY IMAGES



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