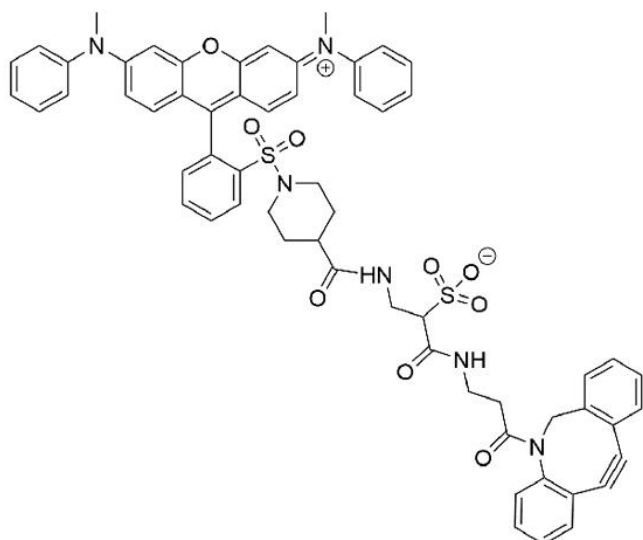


## SY-7 DBCO

SKU: FP-1703

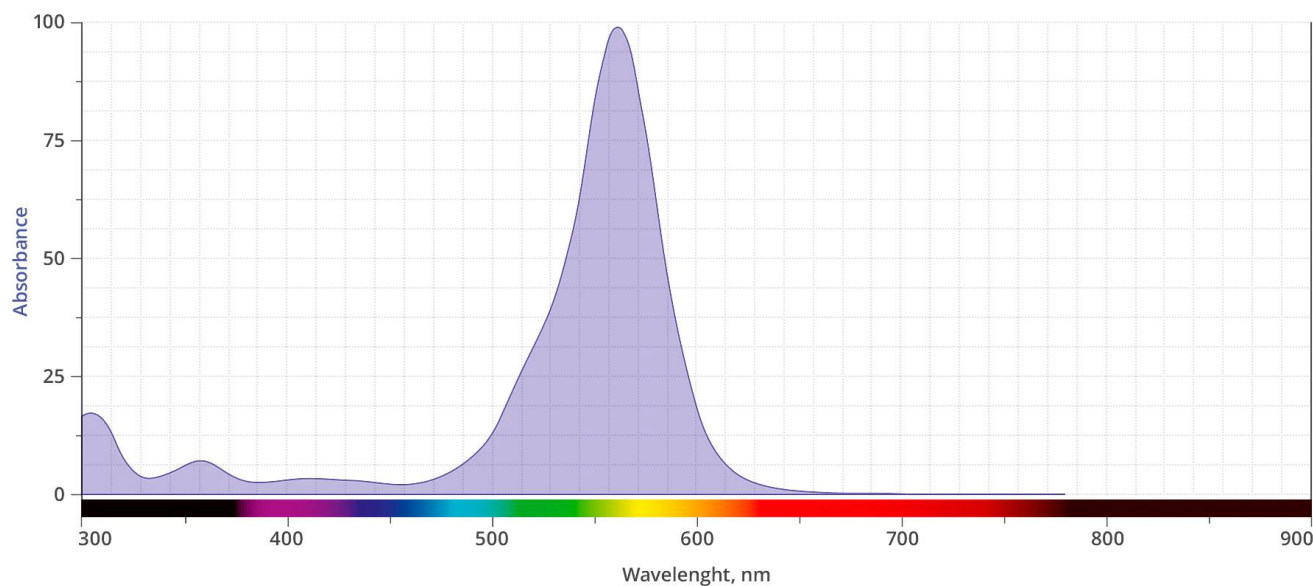


### Description

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.

**For research use only. Not intended for animal or human therapeutic or diagnostic use.**



Abs/Em Spectra

## Specifications

<b>Unit Size</b>	5 mg, 25 mg, 100 mg
<b>Reactivity</b>	Azide
<b>Abs/Em Maxima</b>	500 nm
<b>Extinction coefficient</b>	90,000 cm <sup>-1</sup> M <sup>-1</sup>
<b>Solubility</b>	DMSO, DMF
<b>Spectrally similar dyes</b>	Carboxyrhodamine 110 (Rhodamine Green), Alexa Fluor® 488, 532, 546, 555, 568, Cy3, TAMRA and ROX
<b>Molecular weight</b>	1067.24
<b>Storage Conditions</b>	-20°C.
<b>Shipping Conditions</b>	Ambient temperature

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