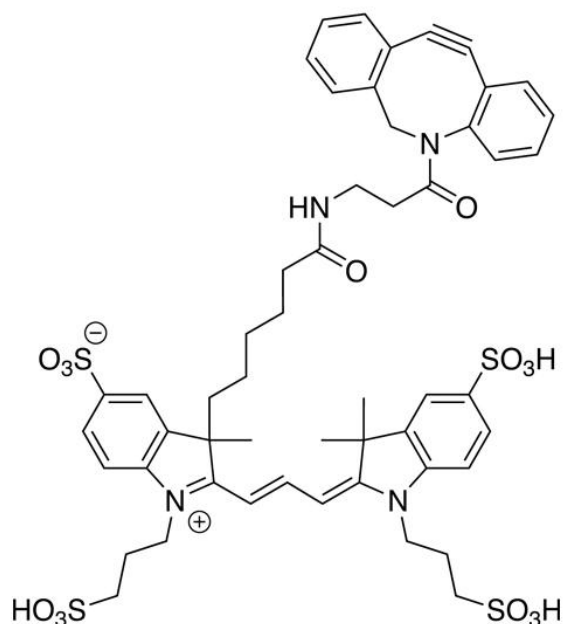




## **AZDYE 555 DBCO**

**SKU:** CCT-1290



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## **DESCRIPTION**

AZDye™ 555 DBCO is a water-soluble, bright orange-fluorescent dye with excitation ideally suited for the 532 nm or 555 nm laser lines and visualized with TRITC (tetramethylrhodamine) filter sets. AZDye™ 555 conjugates of antibodies, peptides, and proteins are pH insensitive from pH 4 to pH 10. The brightness and photostability of this dye are best suited to direct imaging of low-abundance targets.

AZDye™ 555 DBCO is a bright, far-red-fluorescent, probe routinely used for imaging of azide-containing biomolecules without the need for copper catalyst. AZDye™ 555 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 AZDye™ 555 DBCO is an ideal alternative to copper requiring fluorescent alkynes.

**For research use only. Not intended for therapeutic or diagnostic use in animals or humans.**



AZDye™ 555 is structurally similar to Alexa Fluor® 555, and spectrally is almost identical to Cy3 Dye, Alexa Fluor® 555, CF® 555 Dye, or any other Cyanine3 based fluorescent dyes. AZDye™ 555 DBCO can be used as an alternative to Alexa Fluor® 555 sDIBO.

## SPECIFICATIONS

<b>CAS Number</b>	N/A
<b>Molecular Weight</b>	1394.87
<b>Molecular Formula</b>	C70H103N7O14S4
<b>Appearance</b>	Red solid
<b>Chemical Formula</b>	C70H103N7O14S4
<b>Extinction Coefficient</b>	155,000
<b>Purity</b>	>95% (HPLC)
<b>Unit Size</b>	1 mg, 5 mg, 25 mg
<b>Solubility</b>	Water, DMSO, DMF
<b>Storage Instructions</b>	-20°C. Desiccate
<b>Spectrally Similar Dyes</b>	Alexa Fluor® 555, CF® 555, DyLight® 549, Cy3 Dye
<b>Excitation/Emission Maximum</b>	550 nm / 565 nm
<b>Shipping Conditions</b>	Ambient temperature
<b>Shipping Instructions</b>	Ambient temperature

## ABS/EM SPECTRA

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