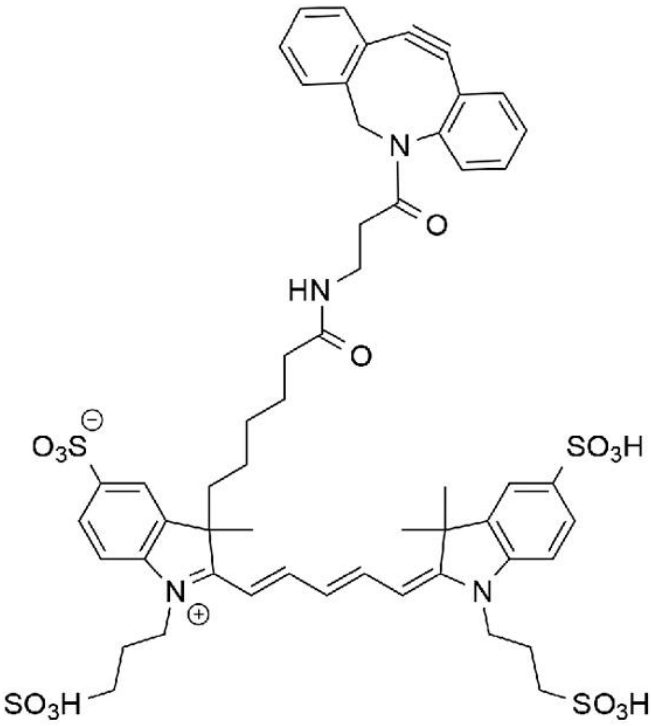
www.vectorlabs.com
Email: customerservice@vectorlabs.com
Telephone: (650) 697-3600

AZDYE 647 DBCO

SKU: CCT-1302



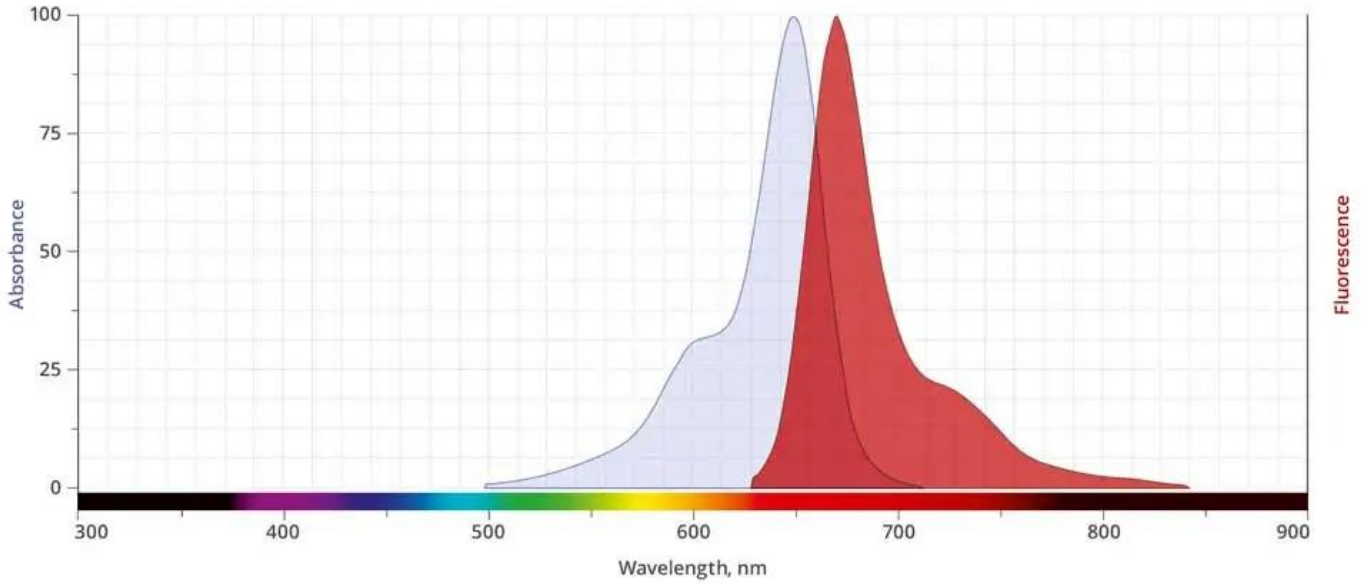
Description

AZDye™ 647 DBCO is a water-soluble, pH-insensitive from pH 4 to pH 10, far-red-fluorescent probe with excitation ideally suited for the 633 nm or 647 nm laser lines. A significant advantage to using long wavelength dyes such as Cy5 or AZDye 647 over other fluorophores is the low autofluorescence of biological specimens in this region of the spectrum.

AZDye™ 647 DBCO is a bright, far-red-fluorescent, probe routinely used for imaging of azide-containing biomolecules without the need for copper catalyst. AZDye™ 647 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™ 647 DBCO is an ideal alternative to copper requiring fluorescent alkynes. AZDye™ 647 is structurally similar to Alexa Fluor® 647, and spectrally is almost identical to Cy5 Dye, Alexa Fluor® 647, CF® 647 Dye, or any other Cyanine5 based fluorescent dyes.

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

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



Abs/Em Spectra

Specifications

Unit Size	1 mg, 5 mg, 25 mg
Abs/Em Maxima	648/671 nm
Extinction Coefficient	270,000
Spectrally Similar Dyes	Alexa Fluor® 647, CF® 647, DyLight® 649
Molecular weight	1117.33
CAS	N/A
Solubility	Water, DMSO, DMF
Appearance	Blue solid
Storage Conditions	-20°C. Desiccate
Shipping Conditions	Ambient temperature
