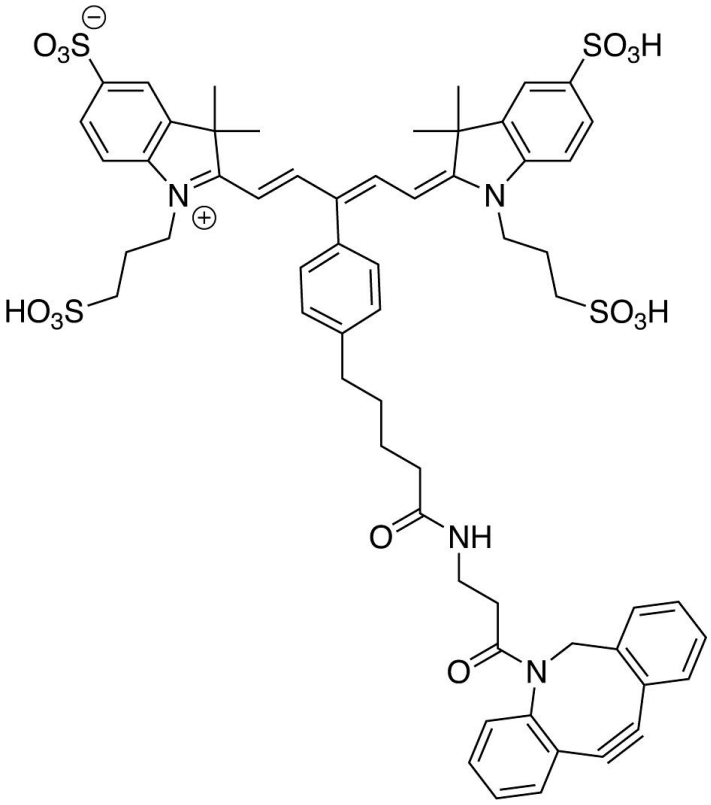
www.vectorlabs.com
Email: customerservice@vectorlabs.com
Telephone: (650) 697-3600

IR 650 DBCO

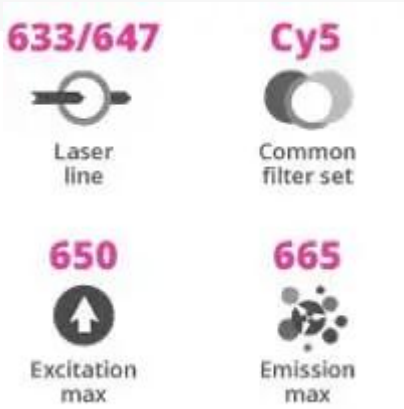
SKU: FP-1506



DESCRIPTION

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

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IR 650 DBCO (IRDye® 650 DBCO analog) is a water-soluble, bright, 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® Dye or Alexa Fluor® 647 dye over other fluorophores is the low autofluorescence of biological specimens in this region of the spectrum.

IR 650 DBCO is a bright, far-red-fluorescent, pH insensitive azide-reactive probe routinely used for imaging of azide-containing biomolecules without the need for copper catalyst. IR 650 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 IR 650 DBCO is an ideal alternative to copper requiring fluorescent alkynes.

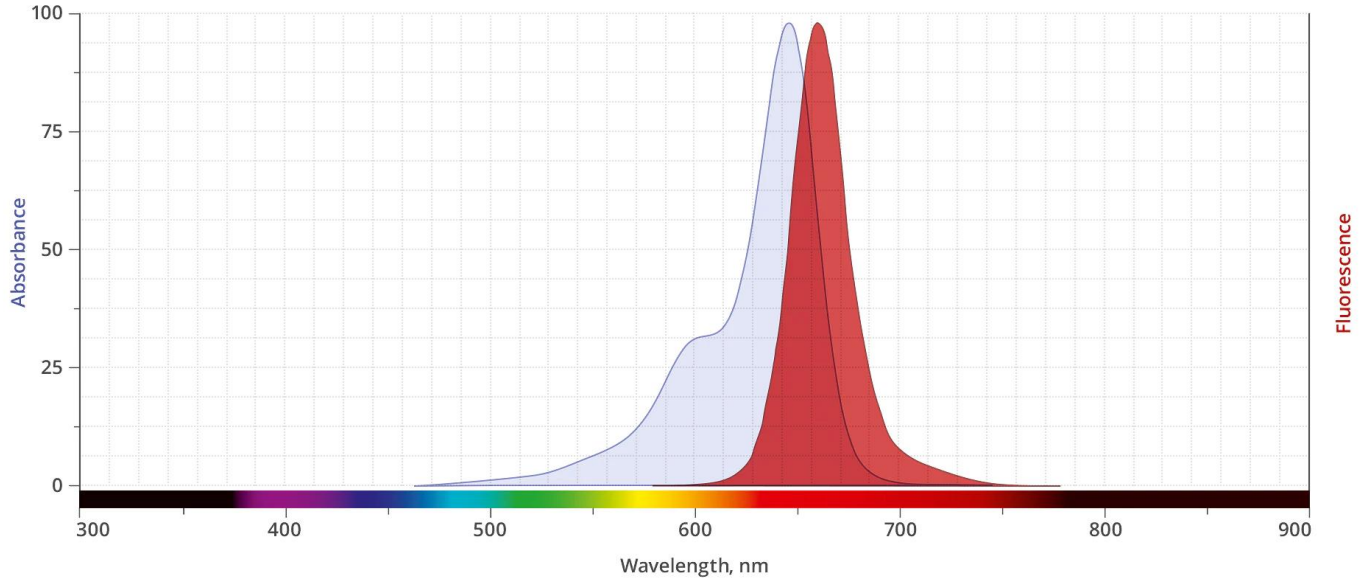
SPECIFICATIONS

Molecular Weight	1193.43
Molecular Formula	C60H64N4O14S4
Chemical Formula	C60H64N4O14S4
Extinction Coefficient	230,000 cm-1M-1
Reactivity	Azide, picolyl azide
Unit Size	1 mg, 5 mg, 25 mg, 100 mg
Solubility	Water, DMSO, DMF
Storage Instructions	-20°C.
Spectrally Similar Dyes	Cy5, Alexa Fluor® 647, DyLight® 649
Excitation/Emission Maximum	651/668 nm
Shipping Conditions	Ambient temperature
Shipping Instructions	Ambient temperature

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ABS/EM SPECTRA



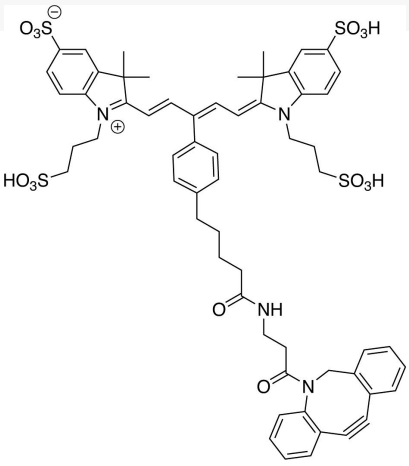
DOCUMENTS

- Safety Data Sheet
- Datasheet

GALLERY IMAGES

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