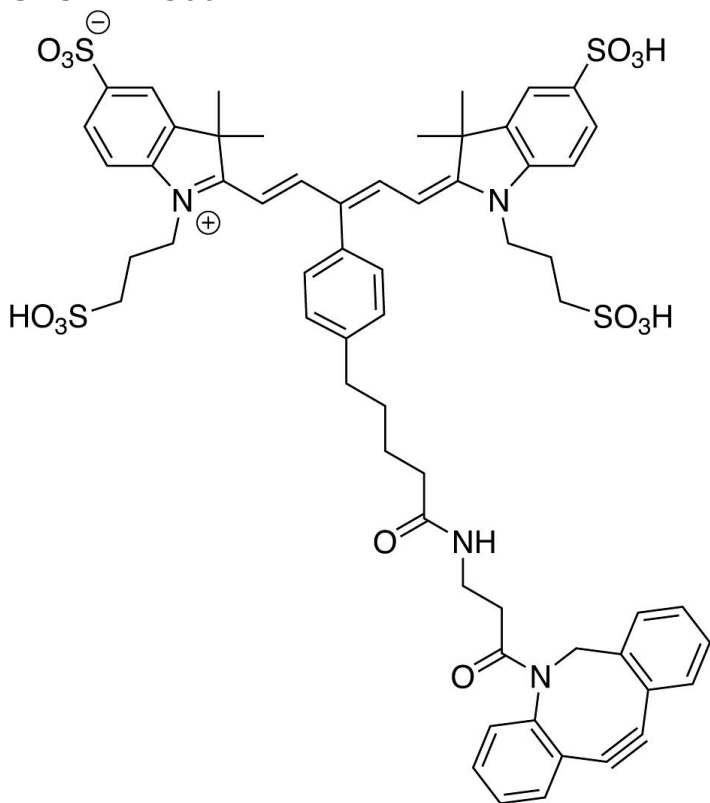




IR 650 DBCO

SKU: FP-1506



DESCRIPTION

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

**633/647**Laser
line**Cy5**Common
filter set**650**Excitation
max**665**Emission
max

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.

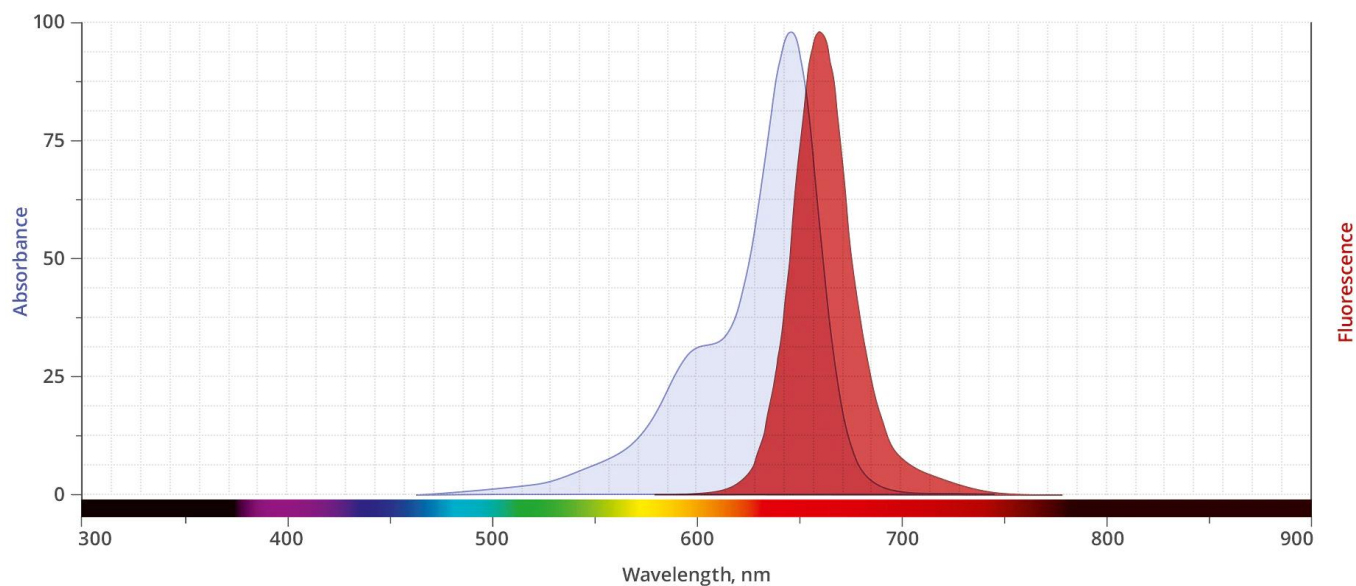
SPECIFICATIONS

Molecular Weight	1193.43
Molecular Formula	C60H64N4O14S4
Chemical Formula	C60H64N4O14S4
Extinction Coefficient	230,000 cm ⁻¹ M ⁻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

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



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IR 650 DBCO

<https://vectorlabs.com/products/ir-650-dbc/>