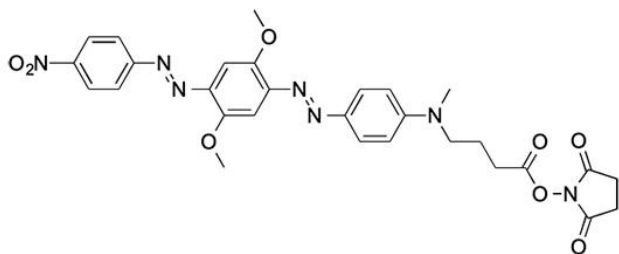




UBQ-2 NHS ESTER

SKU: FP-1741



DESCRIPTION

Universal Black 2 Quencher (UBQ-2, Black Hole Quencher®-2 (BHQ®-2) equivalent) is a dark quencher with no native emission due to the polyaromatic-azo backbone. This nonfluorescent acceptor is often the quencher of choice for qPCR probes and for other fluorescence-quenched probe applications. A broad and intense quenching range from 560-670 nm makes it useful as an acceptor in fluorescence resonance energy transfer (FRET) applications in conjunction with orange to far-red emitting dyes such as Cy3, Cy5, ROX, Texas Red, Alexa Fluor® 546, 555, 594, 633, 647, and IRDye® 650.

The NHS ester (or succinimidyl ester) is the most popular amine reactive group for labeling with the primary amines of proteins (Lys), amine-modified oligonucleotides, and other amine-containing molecules. The labeling occurs most efficiently at pH 7-9 and forms a stable, covalent amide bond.

SPECIFICATIONS

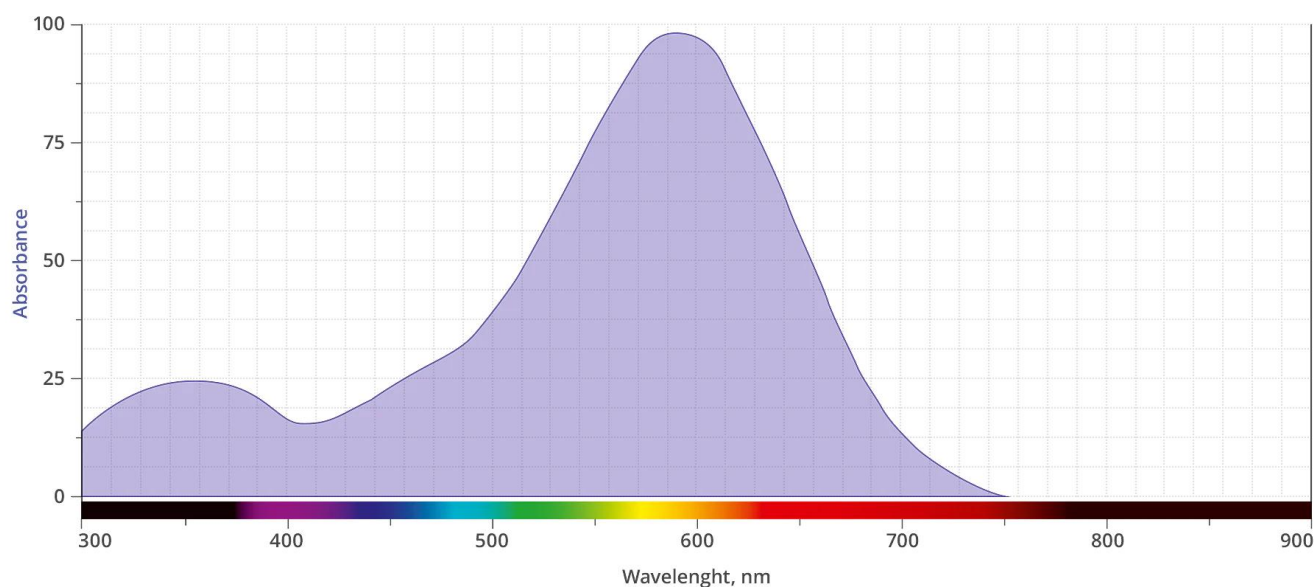
Molecular Weight	603.59
Extinction Coefficient	38,000 cm ⁻¹ M ⁻¹
Reactivity	Primary amine
Unit Size	5 mg, 25 mg, 100 mg

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



Solubility	DMSO, DMF
Storage Instructions	-20°C.
Spectrally Similar Dyes	Cy3, Cy5, ROX, Texas Red, Alexa Fluor® 546, 555, 594, 633, 647, IRDye® 650
Excitation/Emission Maximum	580 nm
Shipping Conditions	Ambient temperature
Shipping Instructions	Ambient temperature

ABS/EM SPECTRA



DOCUMENTS

- [Safety Data Sheet](#)
- [Datasheet](#)

GALLERY IMAGES

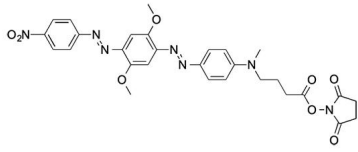
For research use only. Not intended for therapeutic or diagnostic use in animals or humans.



www.vectorlabs.com

Email: customerservice@vectorlabs.com

Telephone: [\(650\) 697-3600](tel:(650)697-3600)



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

[UBQ-2 NHS Ester](#)

<https://vectorlabs.com/products/ubq-2-nhs-ester/>