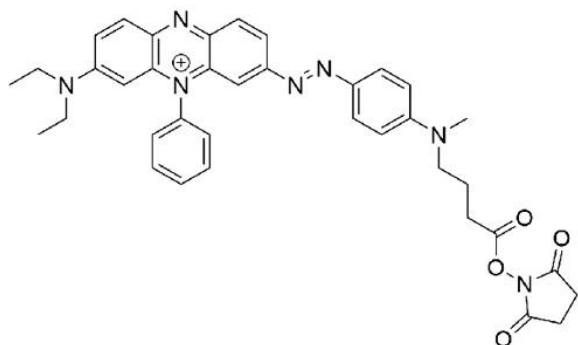




## **UBQ-3 NHS ESTER**

**SKU:** FP-1751



---

## **DESCRIPTION**

Universal Black 3 Quencher (UBQ-3, Black Hole Quencher®-3 (BHQ®-3) equivalent) is a dark, far-red nonfluorescent acceptor dye with no native emission. UBQ-3 is often used as an acceptor for preparation of fluorogenic dual-labeled probes, qPCR probes, and for other fluorescence-quenched probe applications. A broad and intense quenching range from 620-730 nm makes it useful as an acceptor in fluorescence resonance energy transfer (FRET) applications in conjunction with far-red to near-IR emitting dyes such as Cy5, Cy5.5, Alexa Fluor® 633, 647, 700, IRDye® 650, 680 and 700.

UBQ-3 is structurally identical to BHQ®-3.

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**

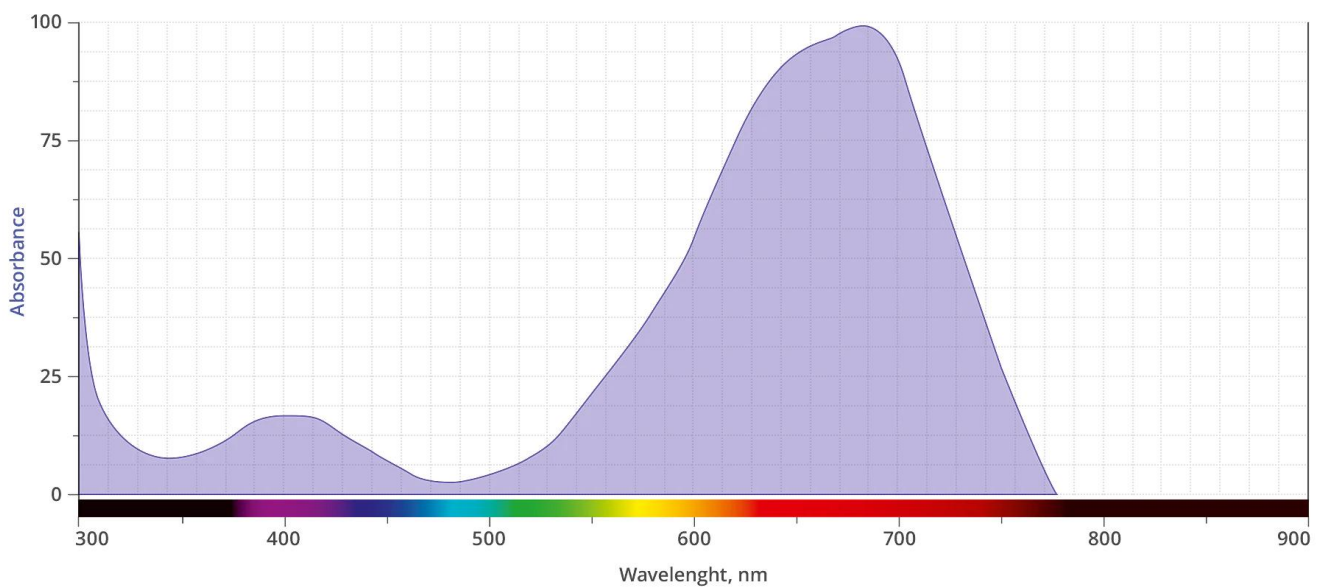
664.76

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



<b>Extinction Coefficient</b>	40,700 cm <sup>-1</sup> M <sup>-1</sup>
<b>Reactivity</b>	Primary amine
<b>Unit Size</b>	5 mg, 25 mg, 100 mg
<b>Solubility</b>	DMSO, DMF
<b>Storage Instructions</b>	-20°C.
<b>Spectrally Similar Dyes</b>	Cy5, Cy5.5, Alexa Fluor® 647, 680, 700, IRDye® 650, 680, 700
<b>Excitation/Emission Maximum</b>	615 nm
<b>Shipping Conditions</b>	Ambient temperature
<b>Shipping Instructions</b>	Ambient temperature

## ABS/EM SPECTRA



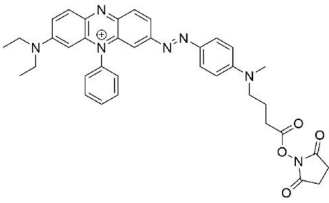
## DOCUMENTS

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

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



## GALLERY IMAGES



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