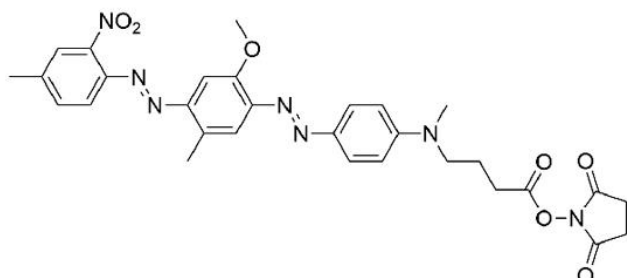




UBQ-1 NHS ESTER

SKU: FP-1731



DESCRIPTION

Universal Black 1 Quencher (UBQ-1, Black Hole Quencher®-2 (BHQ®-1) 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 480-580 nm makes it useful as an acceptor in fluorescence resonance energy transfer (FRET) applications in conjunction with green to yellow emitting dyes such as FAM, Oregon Green®, TET, JOE and HEX, Alexa Fluor® 488 and DyLight® 488.

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

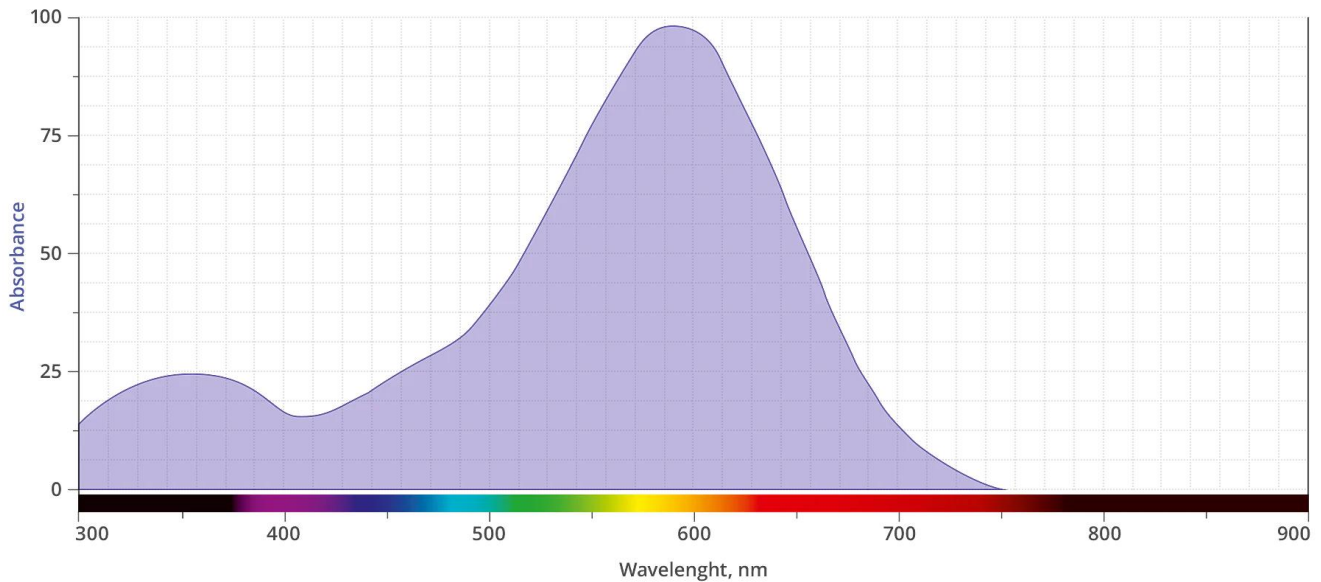
Molecular Weight	586.58
Extinction Coefficient	34,000 cm ⁻¹ M ⁻¹
Reactivity	Primary amine
Unit Size	5 mg, 25 mg, 100 mg

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	FAM, Oregon Green®, TET, JOE and HEX, Alexa Fluor® 488 and DyLight® 488
Excitation/Emission Maximum	534 nm
Shipping Conditions	Ambient temperature
Shipping Instructions	Ambient temperature

ABS/EM SPECTRA



DOCUMENTS

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

GALLERY IMAGES

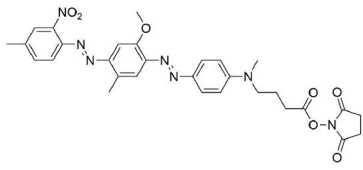
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[UBQ-1 NHS Ester](#)

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