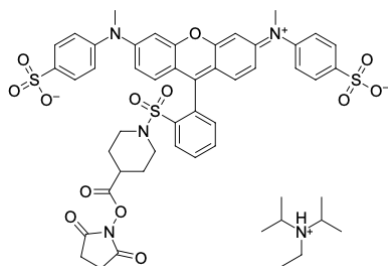


DusQ® 9 NHS ester

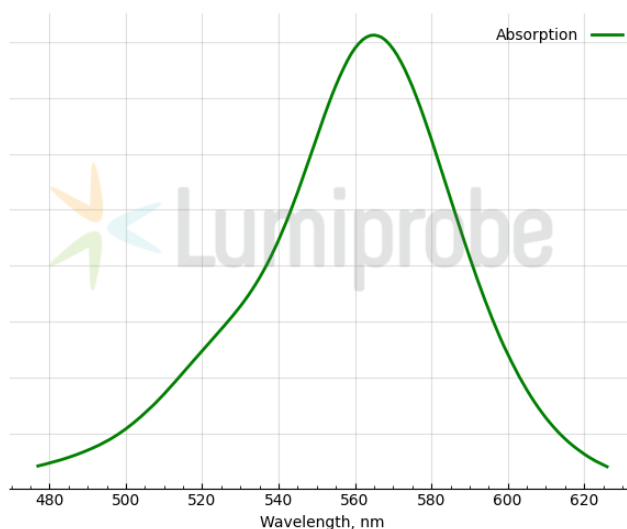
<http://www.lumiprobe.com/p/qsy-9-nhs-ester>

DusQ® 9 is a nonfluorescent acceptor dye with a broad quenching range. This dark quencher is used as an acceptor in fluorescence resonance energy transfer (FRET) applications in conjunction with dyes emitting at 500 nm to 600 nm, such as [FAM](#), [AF 488](#), [AF 532](#), [AF 555](#), [AF 568](#), [Cyanine3](#), [sulfo-Cyanine3](#), [TAMRA](#), and [ROX](#) dyes.

DusQ® 9 NHS is an amine-reactive reagent for labeling proteins, peptides, and modified oligonucleotides containing amine groups.



Structure of DusQ® 9 NHS ester



Absorption spectrum of DusQ 9

General properties

Appearance:	deep-purple powder
Molecular weight:	1044.24
CAS number:	304014-17-3 (inner salt)
Molecular formula:	C ₅₁ H ₅₇ N ₅ O ₁₃ S ₃
Solubility:	DMSO, DMF, DCM, acetonitrile. NHS is hydrolyzed in water
Quality control:	NMR ¹ H and HPLC-MS (95+%)
Storage conditions:	12 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Desiccate. Avoid prolonged exposure to light.
Legal statement:	This Product is offered and sold for research purposes only. It has not been tested for safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food or pharmaceutical products, in medical devices or in cosmetic products.

Spectral properties

Excitation/absorption maximum, nm:	565
ε, L·mol ⁻¹ ·cm ⁻¹ :	85000