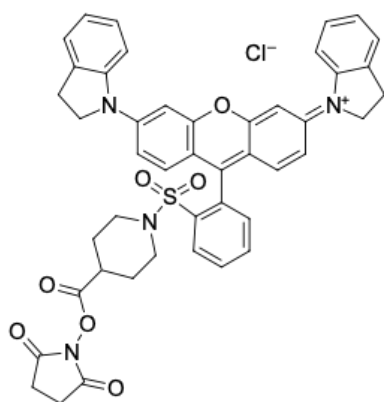


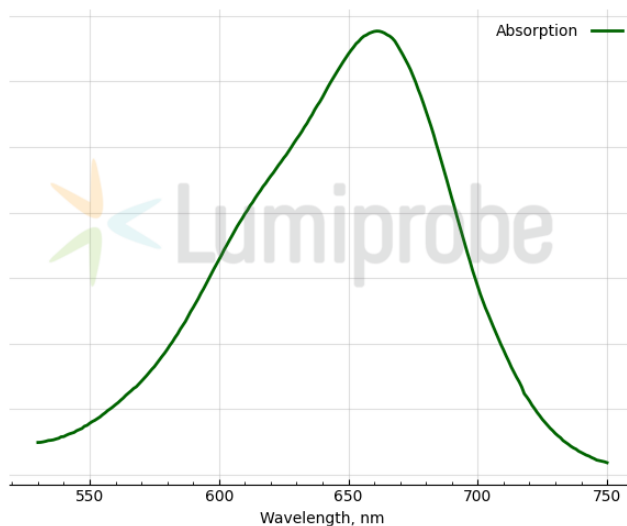
DusQ 21 NHS ester

<http://www.lumiprobe.com/p/qsy-21-quencher-nhs-ester>

DusQ 21 is a dark quencher used as an acceptor in FRET applications, it has absorption maximum 656 nm, and can be used in multiplex assays due to the lack of secondary fluorescence. It is a quencher of choice for pairing with fluorescent dyes that emit in the red and near-infrared part of the range. DusQ 21 NHS ester derivative is used for labeling with the primary amines of amine-containing molecules. It can be used for quenching of many fluorophores, including [Cyanine5](#), [Cyanine5.5](#), [AF 647](#).



Structure of DusQ 21 NHS ester



Absorption spectrum of DusQ 21

General properties

Appearance:	dark purple powder
Molecular weight:	815.35
CAS number:	304014-13-9
Molecular formula:	C ₄₅ H ₃₉ ClN ₄ O ₇ S
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.

Spectral properties

Excitation/absorption maximum, nm:	656
ε, L·mol ⁻¹ ·cm ⁻¹ :	72800