

Lumiprobe Corporation

115 Airport Dr Suite 160 Westminster, Maryland 21157

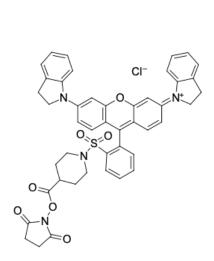
USA

Phone: +1 888 973 6353 Fax: +1 888 973 6354 Email: order@lumiprobe.com

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, AF 647.



550 600 650 700 750 Wavelength, nm

Absorption

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: $C_{45}H_{39}CIN_4O_7S$

Quality control: NMR ¹H and HPLC-MS (95+%)

Storage conditions: 12 months after receival at -20°C in the dark. Transportation: at room temperature

for up to 3 weeks. Desiccate.

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: 656 ϵ , L·mol⁻¹·cm⁻¹: 72800