

Product Data Sheet

Date of Issue: 8 Oct 2021

1. Product Information

- Product Name : qFlamma® Black01 Vinylsulfone
- Catalog Number : QWA1001
- Packing Unit : 1 mg / 5 mg / 25 mg
- Appearance : Green Solid
- Storage Conditions : Protect from Light at -20 °C

2. Additional Information

- Fluorophore Label : Flamma® Black01
- Reactive Group : Vinylsulfone
- Reactive Toward : Primary amine on proteins and ligands, amine-modified oligonucleotides
- Molecular Weight : 898.89 g/mol
- Excitation_{Max} : 484 ± 3 nm
- Emission_{Max} : 400 ~800 nm

3. Description

qFlamma® Black01 Vinylsulfone is an amine reactive form of universal dark quencher that the range of absorption covers from 400 to 800 nm with no native fluorescence. Black01 quencher displays high absorption coefficient, superb stability and aqueous solubility. Vinylsulfone reactive group, developed by BioActs' leading technology, is stable in a wide range of pH and at the high temperature and reacts with primary amines of probes, proteins, peptides or amino-modified nucleotides to form a stable amino linkage between quencher and the biomolecule. We offer qFlamma® Black01 vinylsulfone as a universal dark quencher in the construction of a variety of hybridization and custom-synthesized activatable probes for multiplexed bio-analysis, PCR, nucleic acid hybridization, etc.