

Product Data Sheet

Date of Issue: 8 Oct 2021

1. Product Information

- Product Name : qFlamma® Black01 Thiol
- Catalog Number : QWT1001
- 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 : Thiol
- Reactive Toward : Primary amine on proteins and ligands, amine-modified oligonucleotides
- Molecular Weight : 780.89 g/mol
- Excitation_{Max} : 484 ± 3 nm
- Emission_{Max} : 400 ~800 nm

3. Description

qFlamma® Black01 Thiol is an inactive 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. The thiol is attached to Black01 quencher through a spacer. qFlamma® Black01 thiol can be labeled to thiol of probes or biomolecules through a disulfide bond formation or can be utilized as a reference standard for fluorophore-quencher pair probes.