

Product Data Sheet

Date of Issue: 8 Oct 2021

1. Product Information

- Product Name : qFlamma® Black01 Dichlorotriazine
- Catalog Number : QWR1001
- 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 : Dichlorotriazine
- Reactive Toward : Hydroxyl group
- Molecular Weight : 911.79 g/mol
- Excitation_{Max} : 484 ± 3 nm
- Emission_{Max} : 400 ~800 nm

3. Description

qFlamma® Black01 Dichlorotriazine is a hydroxyl group 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. Dichlorotriazines are among the few reactive groups that are reported to react directly with polysaccharides and other alcohols in aqueous solution, provided that the pH is >9 and other nucleophiles are not present. We offer qFlamma® Black01 dichlorotriazine for the labeling of polysaccharides and alcohols in designing probes consisting of spectrally paired fluorophore and quencher for multiplexed bio-analysis.