

# Product Data Sheet

Date of Issue: 26 Feb 2024

## 1. Product Information

- Product Name : qFlamma® Black01 Hydrazide
- Catalog Number : QWH1001
- Packing Unit : 1,5, 25 mg
- Appearance : Green Solid
- Storage Conditions : Store at -20 °C in a dark

## 2. Additional Information

- Reactive Group : hydrazide
- Molecular Weight : 735.79 g/mol
- Excitation <sub>Max</sub> : 478

## 3. Description

qFlamma® Black01 Hydrazide is an aldehyde and ketone reactive universal dark quencher that the absorption range covers from 400 to 800 nm with no native fluorescence. Black01 quencher displays high absorption coefficient, superb stability and aqueous solubility. Hydrazides can label aldehyde and ketone through reductive amination reaction to form an imine linkage. We offer qFlamma® Black01 Hydrazide to label biomolecules bearing aldehyde or ketone for designing probes consisting of spectrally paired fluorophore and quencher.