

Product Data Sheet

Date of Issue: 26 Feb 2024

1. Product Information

- Product Name : qFlamma® Black01 Alkyne
- · Catalog Number : QWK1001
- Packing Unit : 1, 5, 25 mg
- Appearance : Green Solid
- Storage Conditions : Store at -20 °C in a dark

2. Additional Information

- Reactive Group : alkyne
- Molecular Weight : 758.82 g/mol
- Excitation _{Max} : 478

3. Description

qFlamma® Black01 Alkyne is a copper (I)-catalyzed azide-alkyne cycloaddition (CuAAC) reagent of universal dark quencher. Black01 quencher displays high absorption coefficient in a wide spectral range covering from 400 to 800 nm and exhibits no native fluorescence, superb stability and aqueous solubility. Black01 Alkyne couples with an azide to form 1,4-disubstituted 1,2,3-triazole, and prior to perform CuAAC, an azide should be introduced to the probe or counterpart biomolecule by means of chemical or genetic modification. We offer qFlamma® Black01 Alkyne as a click chemistry reagent in designing probes consisting of spectrally paired fluorophore and quencher for multiplexed bio-analysis and nucleic acid hybridization.

WARNING: Intended for research use only. This product is not intended or approved for human, diagnostics, therapeutic or veterinary use. Use of this product for human or animal testing is extremely hazardous and may result in disease, severe injury, or death. MATERIAL SAFETY DATA: Review the complete Material Safety Data Sheet before use Material Safety Data Sheet (MSDS), Certificate of Analysis (COA) and Technical Information are available at http://www.bioacts.com or upon request.