

Product Data Sheet

Date of Issue: 26 Feb 2024

1. Product Information

- Product Name : qFlamma® Black01 Azide
- Catalog Number : QWZ1001
- Packing Unit : 1,5, 25 mg
- Appearance : Green Solid
- Storage Conditions : Store at -20 °C in a dark

2. Additional Information

- Reactive Group : azide
- Molecular Weight : 803.87 g/mol
- Excitation_{Max} : 478

3. Description

qFlamma® Black01 Azide is a click chemistry reagent of universal dark quencher. Black01 quencher displays high absorption coefficient in a wide spectral range covering from 400 to 800 nm and exhibits superb stability and aqueous solubility without any native fluorescence. Black01 azide can be used in both copper (I)-catalyzed azide-alkyne cycloaddition (CuAAC) and strain-promoted azide-alkyne cycloaddition (SPAAC). In both reactions, the azide couples with an alkyne to form 1,4-disubstituted 1,2,3-triazole. We offer qFlamma® Black01 Azide as a click chemistry reagent for designing probes consisting spectrally paired fluorophore and quencher.