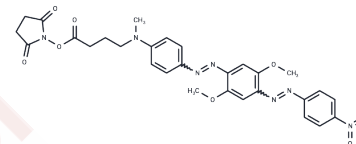


## BHQ-2 NHS

## Chemical Properties

|                   |  |
|-------------------|--|
| CAS No. :         | 916753-62-3  |
| Formula:          | C <sub>29</sub> H <sub>29</sub> N <sub>7</sub> O <sub>8</sub>  |
| Molecular Weight: | 603.583  |
| Storage:          | Keep away from direct sunlight<br>Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br><small>Actual storage temperature shall be subject to the COA.</small> |



## Biological Description

|               |   |
|---------------|---|
| Description   | BHQ-2 NHS is a non-fluorescent dark quencher featuring a polyaromatic azo framework and a terminal NHS ester. It exhibits a broad and intense quenching range between 560-670 nm, making it suitable for use as an acceptor in fluorescence resonance energy transfer (FRET) applications with orange to far-red emitting dyes. The NHS ester allows labeling of proteins, amine-modified oligonucleotides, and other primary amine (-NH <sub>2</sub> ) containing molecules. |
| Targets(IC50) | Others  |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.6568 mL | 8.2839 mL | 16.5678 mL |
| 5 mM  | 0.3314 mL | 1.6568 mL | 3.3136 mL  |
| 10 mM | 0.1657 mL | 0.8284 mL | 1.6568 mL  |
| 50 mM | 0.0331 mL | 0.1657 mL | 0.3314 mL  |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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