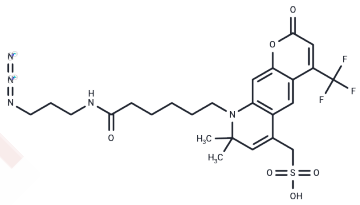
# Data Sheet (Cat.No.T206312)

TargetMol

## BP Fluor 430 azide

### Chemical Properties



CAS No. : 2644752-86-1

Formula: C25H30F3N5O6S

Molecular Weight: 585.596

Storage: Keep away from direct sunlight
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

### Biological Description

| | |
|---|---|
| Description | BP Fluor 430 Azide is a water-soluble, green fluorescent probe activated by azide. It engages in copper-catalyzed click reactions (CuAAC) with terminal alkynes, and can also react with strained cyclooctynes in copper-free click chemistry, forming stable triazoles without the need for Cu catalysts or high temperature. This probe exhibits bright, photostable green fluorescence, with a maximum absorption wavelength around 432 nm and maximum emission wavelength near 539 nm. It is water-soluble and maintains stability across a pH range from 4 to 10. The next-generation BP Fluor 430 Picolyl Azide is also applicable for detecting low-abundance alkyne-labeled biomolecules. |
| Targets(IC50) | Others |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|---|---|---|---|
| 1 mM | 1.7077 mL | 8.5383 mL | 17.0765 mL |
| 5 mM | 0.3415 mL | 1.7077 mL | 3.4153 mL |
| 10 mM | 0.1708 mL | 0.8538 mL | 1.7077 mL |
| 50 mM | 0.0342 mL | 0.1708 mL | 0.3415 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.



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