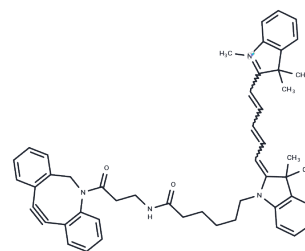


## Cyanine5 DBCO chloride

### Chemical Properties

|                   |  |
|-------------------|--|
| CAS No. :         | 2182601-72-3   |
| Formula:          | C <sub>50</sub> H <sub>53</sub> ClN <sub>4</sub> O <sub>2</sub>  |
| Molecular Weight: | 777.43   |
| 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   | CY5-DBC0 is utilized in cellular imaging to label cell membranes, nuclei, or other organelles, thus revealing cell morphology, structure, and function. In tissue imaging, it helps observe changes in the structure and function of deep tissues like blood vessels. Additionally, CY5-DBC0 is applied in fields such as protein labeling, drug delivery, and biosensing, providing tools and methodologies for biomedical research. The excitation/emission (Ex/Em) wavelengths are 640/663 nm. |
| Targets(IC50) | Others  |

### Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.2863 mL | 6.4314 mL | 12.8629 mL |
| 5 mM  | 0.2573 mL | 1.2863 mL | 2.5726 mL  |
| 10 mM | 0.1286 mL | 0.6431 mL | 1.2863 mL  |
| 50 mM | 0.0257 mL | 0.1286 mL | 0.2573 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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