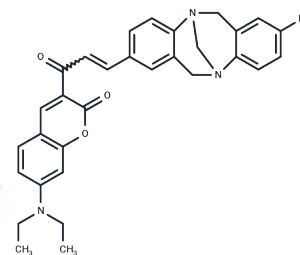


TBC-1

## Chemical Properties

CAS No. : 2522115-48-4  
 Formula: C<sub>31</sub>H<sub>28</sub>BrN<sub>3</sub>O<sub>3</sub>  
 Molecular Weight: 570.476  
 Storage: 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   | TBC-1 is a chlorophyll-a derivative that acts as a photosensitizer for photodynamic therapy (PDT). It efficiently generates type I ROS and targets the endoplasmic reticulum. TBC-1 demonstrates in vitro biocompatibility and PDT effectiveness under both normoxic and hypoxic conditions. |
| Targets(IC50) | Reactive Oxygen Species,Photosensitizer  |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.7529 mL | 8.7645 mL | 17.5291 mL |
| 5 mM  | 0.3506 mL | 1.7529 mL | 3.5058 mL  |
| 10 mM | 0.1753 mL | 0.8765 mL | 1.7529 mL  |
| 50 mM | 0.0351 mL | 0.1753 mL | 0.3506 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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