

## Coumarin-PEG3-TCO

## Chemical Properties

CAS No. : 2488319-02-2

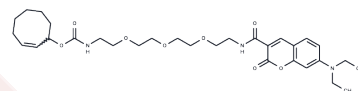
Formula: C<sub>31</sub>H<sub>45</sub>N<sub>3</sub>O<sub>8</sub>

Molecular Weight: 587.7

Keep away from direct sunlight

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   | Coumarin-PEG3-TCO is a coumarin dye derivative featuring three polyethylene glycol (PEG) units. This compound can undergo inverse electron demand Diels-Alder reaction (iEDDA) through its TCO moiety with molecules containing tetrazine groups. |
| Targets(IC50) | Others  |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.7015 mL | 8.5077 mL | 17.0155 mL |
| 5 mM  | 0.3403 mL | 1.7015 mL | 3.4031 mL  |
| 10 mM | 0.1702 mL | 0.8508 mL | 1.7015 mL  |
| 50 mM | 0.034 mL  | 0.1702 mL | 0.3403 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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