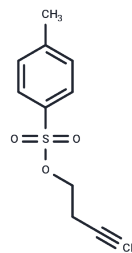


## Propargyl-Tos

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 23418-85-1  |
| Formula:          | C <sub>11</sub> H <sub>12</sub> O <sub>3</sub> S  |
| Molecular Weight: | 224.28  |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br>Actual storage temperature shall be subject to the COA. |



## Biological Description

|               |  |
|---------------|--|
| Description   | Propargyl-Tos is a cleavable linker vital in ADC synthesis. Propargyl-Tos joins cytotoxic drugs to antibodies, enabling precise delivery to cells or proteins. The cleavable nature ensures controlled drug release, optimizing ADC effectiveness. |
| Targets(IC50) | ADC Linker   |
| In vitro      | ADCs consist of an antibody conjugated to an ADC cytotoxin via an ADC linker[1].   |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 4.4587 mL | 22.2936 mL | 44.5871 mL |
| 5 mM  | 0.8917 mL | 4.4587 mL  | 8.9174 mL  |
| 10 mM | 0.4459 mL | 2.2294 mL  | 4.4587 mL  |
| 50 mM | 0.0892 mL | 0.4459 mL  | 0.8917 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.

## Reference

Beck A, et al. Strategies and challenges for the next generation of antibody-drug conjugates. Nat Rev Drug Discov. 2017 May;16(5):315-337.

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