

TC113

## Chemical Properties

CAS No. :

Formula: C37H50F2N12O13

Molecular Weight: 908.86

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   | TC113, a Gemcitabine (GEM)-based conjugate incorporating the c(RGDyK) sequence, is internalized by A549 cells via the integrin $\alpha\beta3$ pathway. It demonstrates significant antiproliferative effects on both WM266.4 and A549 cell lines. |
| Targets(IC50) | Others,Integrin   |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.1003 mL | 5.5014 mL | 11.0028 mL |
| 5 mM  | 0.2201 mL | 1.1003 mL | 2.2006 mL  |
| 10 mM | 0.110 mL  | 0.5501 mL | 1.1003 mL  |
| 50 mM | 0.022 mL  | 0.110 mL  | 0.2201 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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