

Mal-N(Me)-C6-N(Me)-PNU-159682

## Chemical Properties

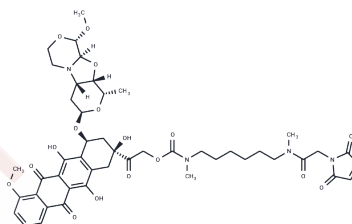
CAS No. : 2682939-57-5

Formula: C47H56N4O17

Molecular Weight: 948.964

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	Mal-N(Me)-C6-N(Me)-PNU-159682 (Compound 27) is an active molecular conjugate used in antibody-drug conjugates (ADCs), consisting of the ADC linker Mal-N(Me)-C6-N(Me) and the potent cytotoxin PNU-159682. This compound selectively delivers its payload to cells expressing CD46 and releases PNU-159682 through cathepsin B cleavage of the linker, inducing DNA damage and apoptosis. Mal-N(Me)-C6-N(Me)-PNU-159682 has demonstrated sustained tumor regression in patient-derived xenograft (PDX) models of non-small cell lung cancer (NSCLC) and colorectal cancer (CRC).
Targets(IC50)	Apoptosis, Drug-Linker Conjugates for ADC

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0538 mL	5.2689 mL	10.5379 mL
5 mM	0.2108 mL	1.0538 mL	2.1076 mL
10 mM	0.1054 mL	0.5269 mL	1.0538 mL
50 mM	0.0211 mL	0.1054 mL	0.2108 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

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