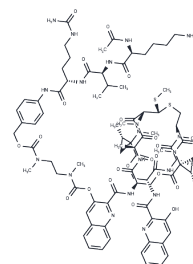


AcLysValCit-PABC-DMAE-SW-163D

Chemical Properties

| | |
|-------------------|--|
| CAS No. : | 2411007-69-5 |
| Formula: | C85H113N19O22S2 |
| Molecular Weight: | 1817.07 |
| Storage: | Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small> |



Biological Description

| | |
|---------------|--|
| Description | AcLysValCit-PABC-DMAE-SW-163D is a drug-linker conjugate for antibody-drug conjugates (ADCs), incorporating the natural bis-intercalator SW-163D through an AcLysValCit-PABC-DMAE linker[1]. |
| Targets(IC50) | Drug-Linker Conjugates for ADC,PROTAC Linker |
| In vitro | SW-163D, a cyclodepsipeptide antibiotic sourced from Streptomyces sp., demonstrates antitumor properties. PF06888667, characterized as a potent, stable, and effective Antibody-Drug Conjugate (ADC), comprises SW-163D linked to an engineered variant of trastuzumab, an anti-Her2 monoclonal antibody (mAb), through an N-acetyl-lysine-valine-citrulline-p-aminobenzyl alcohol-N,N-dimethylethylenediamine (AcLysValCitPABC-DMAE) linker. This conjugation is facilitated by transglutaminase. |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 0.5503 mL | 2.7517 mL | 5.5034 mL |
| 5 mM | 0.1101 mL | 0.5503 mL | 1.1007 mL |
| 10 mM | 0.055 mL | 0.2752 mL | 0.5503 mL |
| 50 mM | 0.011 mL | 0.055 mL | 0.1101 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

Ratnayake AS, et al. Natural Product Bis-Intercalator Depsipeptides as a New Class of Payloads for Antibody-Drug Conjugates. *Bioconjug Chem.* 2018 Dec 13. doi: 10.1021/acs.bioconjchem.8b00843.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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