

PBD dimer-4

Chemical Properties

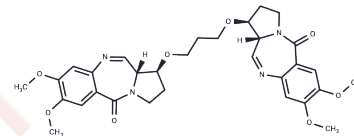
CAS No. : 1821339-88-1

Formula: C31H36N4O8

Molecular Weight: 592.64

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	PBD dimer-4 (Compound 7) is a C1-substituted PBD dimer. This compound exhibits high DNA-binding affinity, effective DNA cross-linking ability, and potent cytotoxicity against MDA-MB-231 cells (IC50: 236 nM). PBD dimer-4 serves as a payload in the ADC drug Loncastuximab tesirine, utilized for treating various cancer types.
Targets(IC50)	Others,DNA Alkylator/Crosslinker

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6874 mL	8.4368 mL	16.8737 mL
5 mM	0.3375 mL	1.6874 mL	3.3747 mL
10 mM	0.1687 mL	0.8437 mL	1.6874 mL
50 mM	0.0337 mL	0.1687 mL	0.3375 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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