

NAMPT inhibitor-linker 2

Chemical Properties

CAS No. : 2241014-82-2

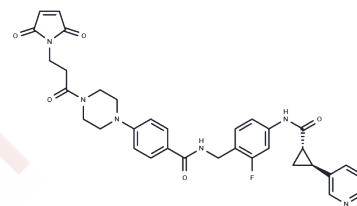
Formula: C₃₄H₃₃FN₆O₅

Molecular Weight: 624.66

Keep away from direct sunlight

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	NAMPT inhibitor-linker 2, a drug-linker conjugate for antibody-drug conjugates (ADCs), comprises an NAMPT inhibitor payload and a linker. When combined with an anti-c-Kit monoclonal antibody to form ADC-4, it demonstrates potent efficacy against c-Kit expressing cell lines, including GIST-T1 and NCI-H526, with IC ₅₀ values of <7 pM and 40 pM, respectively.
Targets(IC ₅₀)	Drug-Linker Conjugates for ADC,NAMPT,PROTAC Linker
In vitro	ADC-4 exhibits potent activity against c-Kit expressing cell lines, including GIST-T1 and NCI-H526, with IC ₅₀ s of <7 pM and 40 pM, respectively[1]. ADC-4 (0.01 nM-10 nM, 144 hours) inhibits GIST-T1 cell proliferation without affecting the cell cycle[1].
In vivo	ADC-4 (20 mg/kg, i.v. for 28 days) is well-tolerated and induces tumor stasis in mice with GIST-T1 cells[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6009 mL	8.0044 mL	16.0087 mL
5 mM	0.3202 mL	1.6009 mL	3.2017 mL
10 mM	0.1601 mL	0.8004 mL	1.6009 mL
50 mM	0.032 mL	0.1601 mL	0.3202 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

Karpov AS, et al. Nicotinamide Phosphoribosyltransferase Inhibitor as a Novel Payload for Antibody-Drug Conjugates. ACS Med Chem Lett. 2018 Jun 28;9(8):838-842.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481