

Product Datasheet

NAMPT inhibitor-linker 2

Catalog No. **BP-02443** · CAS **2241014-82-2** · Form **free base** · Physical state **solid** · Color **Off-white to light yellow** · Version **1.0** · Revision **2026-09-11**

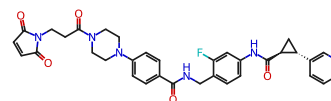
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Target NAMPT; Drug-Linker Conjugates for ADC	Research area Cancer
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Molecular formula **C₃₄H₃₃FN₆O₅**

Molecular weight **624.6614**

STRUCTURE



DESCRIPTION

NAMPT inhibitor-linker 2 is a agent-linker conjugates for ADC, composed of an NAMPT inhibitor as a payload, and a linker. ADC-4 consists of an NAMPT inhibitor-linker 2 and an anti-c-Kit monoclonal antibody, exhibits potent activity against c-Kit expressing cell lines such as GIST-T1 and NCI-H526, with IC50s of <7 pM and 40 pM, respectively.

BIOLOGICAL ACTIVITY

In Vitro

ADC-4 exhibits potent activity against c-Kit expressing cell lines such as GIST-T1 and NCI-H526, with IC50s of <7 pM and 40 pM, respectively.

ADC-4 (0.01 nM-10 nM, 144 hours) inhibits cell proliferation of GIST-T1 cells, but does not affect the cell cycle.

In Vivo

ADC-4 (20 mg/kg, i.v. for 28 days) is tolerated, and causes tumor stasis in mice bearing GIST-T1 cells.

SOLUBILITY

Soluble in DMSO : 50 mg/mL

REFERENCES

[1].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.

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Lot CoA and SDS are separate documents.