

Product Datasheet

Opadotin

Catalog No. **BP-00343** · CAS **1415246-35-3** · Form **free base** · Physical state **solid** · Color **White to off-white** · Version **1.0** · Revision **2026-09-04**

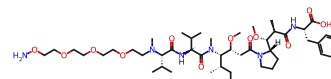
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Target Microtubule/Tubulin; Drug-Linker Conjugates for ADC	Research area Inflammation/Immunology; Cancer
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Molecular formula **C₄₇H₈₂N₆O₁₂**

Molecular weight **923.1870**

STRUCTURE



DESCRIPTION

PEG4-aminooxy-MMAF is a agent-linker conjugate for ADC with potent antitumor activity by using the potent antitubulin agent MMAF, linked via the noncleavable PEG4 .

BIOLOGICAL ACTIVITY

In Vitro

Antibody-drug conjugates (ADCs) carry a highly potent small-molecule toxin covalently connected on the antibody via a proper linker. For therapeutic ADCs in cancer treatment, the antibody targets specific antigen of tumor cell surface with high binding affinity, thereafter the intact ADC was internalized into the tumor cells with the antigen and digested in the lysosome to release the antitumor toxin.

SOLUBILITY

Soluble in DMSO

In vitro DMSO : 100 mg/mL

REFERENCES

[1]. Mukherjee A, et al. Targeted Therapy in Breast Cancer: Advantages and Advancements of Antibody-Drug Conjugates, a Type of Chemo-Biologic Hybrid Drugs. Cancers (Basel). 2024 Oct 17;16(20):3517.

Tel: +86 20 31130026 · Fax: +86 20 36822386 · tech@biochemprobe.com · www.biochemprobe.com

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