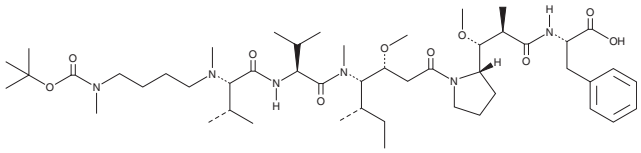
PRODUCT INFORMATION

Auristatin 23

Item No. 45997

CAS Registry No.: 2375388-36-4
Formal Name: ((2R,3R)-3-((S)-1-((3R,4S,5S)-4-((S)-2-((S)-2-((4-((*tert*-butoxycarbonyl)(methyl)amino)butyl)(methyl)amino)-3-methylbutanamido)-N,3-dimethylbutanamido)-3-methoxy-5-methylheptanoyl)pyrrolidin-2-yl)-3-methoxy-2-methylpropanoyl)-L-phenylalanine
MF: $C_{49}H_{84}N_6O_{10}$
FW: 917.2
Purity: ≥98%
Supplied as: A solid
Storage: -20°C
Stability: ≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Auristatin 23 is supplied as a solid. A stock solution may be made by dissolving the auristatin 23 in the solvent of choice, which should be purged with an inert gas. Auristatin 23 is soluble (≥10 mg/ml) in ethanol and DMSO.

Further dilutions of the stock solution into aqueous buffers or isotonic saline should be made prior to performing biological experiments. Ensure that the residual amount of organic solvent is insignificant, since organic solvents may have physiological effects at low concentrations. Organic solvent-free aqueous solutions of auristatin 23 can be prepared by directly dissolving the solid in aqueous buffers. Auristatin 23 is sparingly soluble (1-10 mg/ml) in PBS (pH 7.2). We do not recommend storing the aqueous solution for more than one day.

Description

Auristatin 23 is an anticancer agent and a derivative of MMAF (Item No. 30197).[1] It is cytotoxic to SK-MEL-28, A2058, and IGR-37 melanoma cells and COLO 853 colorectal cancer cells (IC_{50}s = 4, 1, 2, and 6 nM, respectively). Auristatin 23 has been conjugated to an anti-CD70 monoclonal antibody as an antibody-drug conjugate (ADC), which induces tumor regression in mouse xenograft models.

Reference

1. Moquist, P.N., Bovee, T.D., Waight, A.B., *et al.* Novel auristatins with bystander and cytotoxic activities in drug-efflux positive tumor models. *Mol. Cancer Ther.* **20(2),** 320-328 (2021).

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent *via* email to your institution.

WARRANTY AND LIMITATION OF REMEDY
Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

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