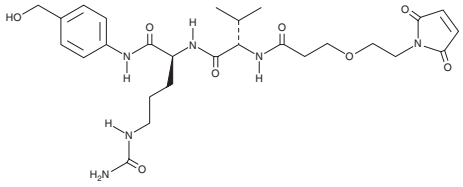
PRODUCT INFORMATION

Mal-PEG$_1$-Val-Cit-PABC-OH

Item No. 45364

CAS Registry No.: 2055041-37-5
Formal Name: N-[3-[2-(2,5-dihydro-2,5-dioxo-1H-pyrrol-1-yl)ethoxy]-1-oxopropyl]-L-valyl-N^5-(aminocarbonyl)-N-[4-(hydroxymethyl)phenyl]-L-ornithinamide
MF: $C_{27}H_{38}N_6O_8$
FW: 574.6
Purity: ≥95%
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

Mal-PEG$_1$-Val-Cit-PABC-OH is supplied as a solid. A stock solution may be made by dissolving the Mal-PEG$_1$-Val-Cit-PABC-OH in the solvent of choice, which should be purged with an inert gas. Mal-PEG$_1$-Val-Cit-PABC-OH is soluble (≥10 mg/ml) in DMSO.

Description

Mal-PEG$_1$-Val-Cit-PABC-OH is a derivative of the drug linker Val-Cit-PABC that contains a maleimide moiety and a one-unit PEG moiety.[1] Val-Cit-PABC-containing linkers have been used in the synthesis of antibody-drug conjugates (ADCs) and are cleaved by lysosomal cathepsins at the amide bond linking citrulline with *p*-aminobenzyl carbamate (PABC).

Reference

1. Balamkundu, S. and Liu, C.-F. Lysosomal-cleavable peptide linkers in antibody–drug conjugates. *Biomedicines* **11(11)**, 3080 (2023).

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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