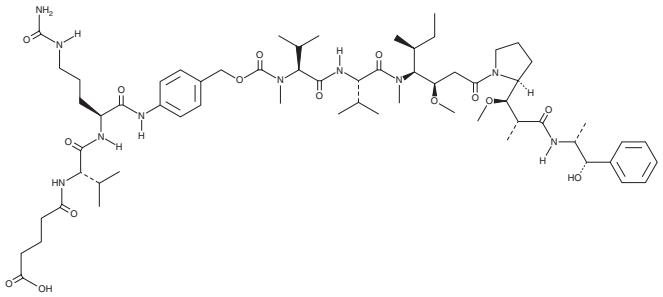
PRODUCT INFORMATION

OH-Glu-Val-Cit-PAB-MMAE

Item No. 46519

CAS Registry No.: 1895916-23-0
Formal Name: N-[[[4-[[N-(4-carboxy-1-oxobutyl)-L-valyl-N^5-(aminocarbonyl)-L-ornithyl]amino]phenyl]methoxy]carbonyl]-N-methyl-Lv-alyl-N-[(1S,2R)-4-[(2S)-2-[(1R,2R)-3-[[(1R,2S)-2-hydroxy-1-methyl-2-phenylethyl]amino]-1-methoxy-2-methyl-3-oxopropyl]-1-pyrrolidinyl]-2-methoxy-1-[(1S)-1-methylpropyl]-4-oxobutyl]-N-methyl-L-valinamide
Synonym: Glutarate-Val-Cit-PAB-MMAE
MF: $C_{63}H_{100}N_{10}O_{15}$
FW: 1,237.5
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

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

Description

OH-Glu-Val-Cit-PAB-MMAE is a drug-linker molecule that has been used in the synthesis of antibody-drug conjugates (ADCs) with anticancer activity in mice.[1] It contains a cathepsin B-cleavable Val-Cit dipeptide, a *p*-aminobenzyl spacer, and the antimitotic compound monomethyl auristatin E (MMAE; Item No. 16267) as the cytotoxic payload.

Reference

1. Mudd, G.E., Scott, H., Chen, L., *et al.* Discovery of BT8009: A nectin-4 targeting bicycle toxin conjugate for the treatment of cancer. *J. Med. Chem.* **65(21)**, 14337-14347 (2022).

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
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