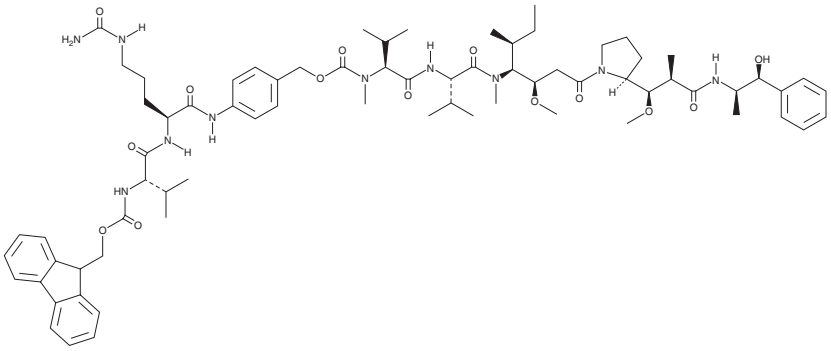
PRODUCT INFORMATION

Fmoc-Val-Cit-PAB-MMAE

Item No. 46513

CAS Registry No.: 1350456-56-2
Formal Name: N-[[[4-[[N-[(9H-fluoren-9-ylmethoxy) carbonyl]-L-valyl-N5-(aminocarbonyl)-L-ornithyl]amino]phenyl]methoxy] carbonyl]-N-methyl-L-valyl-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
Synonyms: Fmoc-Val-Cit-p-aminobenzyl-Monomethyl Auristatin E
MF: $C_{73}H_{104}N_{10}O_{14}$
FW: 1,345.7
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

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

Description

Fmoc-Val-Cit-PAB-MMAE is a drug-linker molecule that has been used in the synthesis of antibody-drug conjugates (ADCs) with anticancer activity.[1] It contains a cathepsin B-cleavable Val-Cit dipeptide and the antimitotic compound monomethyl auristatin E (MMAE; Item No. 16267).

References

1. Mao, Y., Wei, D., Fu, F., *et al.* Development of a MMAE-based antibody-drug conjugate targeting B7-H3 for glioblastoma. *Eur. J. Med. Chem.* **257**, 115489 (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.

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CAYMAN CHEMICAL
1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA
PHONE: [800] 364-9897
[734] 971-3335
FAX: [734] 971-3640
CUSTSERV@CAYMANCHEM.COM
WWW.**CAYMANCHEM**.COM