

Product Data Sheet

Product Name: Mc-Val-Cit-PAB-Cl

Cat. No.: GC61034

Chemical Properties

Cas. No. 1639351-92-0

SMILES O=C(N1CCCCC(N[C@@H](C(C)C)C(N[C@@H](CCCNC(N)=O)C(=O)C2=CC=C(CCl)C=C2)=O)=O)C=CC1=O

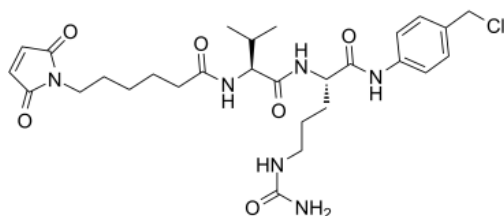
Formula $C_{28}H_{39}ClN_6O_6$ M.Wt 591.1

Solubility Storage -20°C, stored under nitrogen

General For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the tips ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Evaluation sample solution : ship with blue ice All other available size: ship with RT, or Condition blue ice upon request.

Structure



Background

Mc-Val-Cit-PAB-Cl is a cleavable ADC linker. Mc-Val-Cit-PAB-Cl can be used to conjugate MMAE and antibody to form antibody-MC-vc-MMAE (e.g., anti-CD22-MC-VC-PABC-MMAE with IC50s of 3.3 and 0.95 nM for BJAB and WSU cell lines in cytotoxicity assay).

[1]. Staben LR, et al. Stabilizing a Tubulysin Antibody-Drug Conjugate To Enable Activity Against

Caution: Product has not been fully validated for medical applications. For research use only.

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Multidrug-Resistant Tumors. ACS Med Chem Lett. 2017 Sep 5;8(10):1037-1041.

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