

Product Data Sheet

Product Name: MC-Val-Cit-PAB-duocarmycin

Cat. No.: GC36571

Chemical Properties

Cas. No. 2055896-98-3

SMILES C1C[C@H](C2=C(C=C(O)C3=CC=CC=C23)N(C(C4=CC5=CC(OCC[N+](C)(C)CC6=CC=CC(=C(NC([C@H](CCCNC(N)=O)NC([C@H](C(C)C)NC(CCCCN7C(C=CC7=O)=O)=O)=O)C=C6)=CC=C5N4)=O)C1

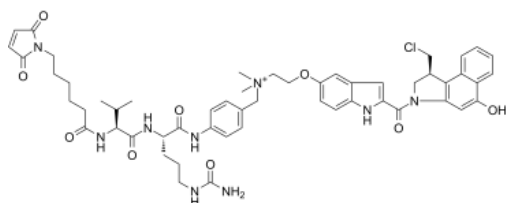
Formula $C_{54}H_{65}ClN_9O_9$ M.Wt 1019.6

Solubility Soluble in DMSO Storage Store at -20°C, protect from light, stored under nitrogen, unstable in solution, ready to use.

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

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

Structure



Background

MC-Val-Cit-PAB-duocarmycin has a bioreversible linkage based on a quaternary ammonium for targeted delivery and it can improve pharmacokinetics and the therapeutic index. MC-Val-Cit-PAB-duocarmycin is used for the antibody-drug conjugates (ADC) that are effective and stable in vitro and

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

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in vivo to treat various diseases or disorders[1].

[1]. Staben LR, et al. Targeted drug delivery through the traceless release of tertiary and heteroaryl amines from antibody-drug conjugates. Nat Chem. 2016 Dec;8(12):1112-1119.

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