
Product Data Sheet

Product Name: MC-Val-Cit-PAB-tubulysin5a

Cat. No.: GC36575

Chemical Properties

Cas. No. 2055896-86-9

SMILES CC(O[C@@H](C1=NC(C(N[C@H])(C[C@H](C)C(O)=O)CC2=CC=CC=C2)=O)=CS1)C[C@H](C(C)C)N(C)C([C@@]([C@@H](C)CC)([H])NC([C@@H]3[N+](C)(CCCC3)CC4=CC=C(NC([C@H](CCCNC(N)=O)NC([C@H](C(C)C)NC(CCCCCN5C(C=CC5=O)=O)=O)=O)=O)C=C4)=O)=O)=O

Formula C₆₆H₉₆N₁₁O₁₃S

M.Wt

1283.6

Solubility Soluble in DMSO

Storage

Store at -20°C

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-tubulysin5a 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-tubulysin5a is used for the antibody-drug conjugates (ADC) that are effective and stable in vitro and 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.

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

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