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## Product Data Sheet

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

Cat. No.: GC36569

### Chemical Properties

Cas. No. 1639793-13-7

SMILES C[C@H](Cl)[C@@]([C@@]1([H])O[C@@H]([C@H](O)[C@@H](O)[C@H]1O)SC)([H])NC([C@H]2[N+](C)(C[C@H](CCC)C2)CC3=CC=C(NC([C@H](CCCNC(N)=O)NC([C@H](C(C)C)NC(CCCCCN4C(C=CC4=O)=O)=O)=O)=O)C=C3)=O

Formula C<sub>46</sub>H<sub>72</sub>ClN<sub>8</sub>O<sub>11</sub>S

M.Wt

980.63

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-clindamycin 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-clindamycin 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.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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