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## Product Data Sheet

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

Cat. No.: GC36568

### Chemical Properties

Cas. No. 2055896-83-6

O=C([C@]1(CO1)C)[C@H](CC(C)C)NC([C@H](CC2=CC=CC=C2)NC([C@H](CC(C)C)NC([C@H]

SMILES (CCC3=CC=CC=C3)NC(C[N+]4(CCOCC4)CC5=CC=C(NC([C@H](CCCNC(N)=O)NC([C@H](C(C)C)NC(CCCCCN6C(C=CC6=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O

Formula C<sub>68</sub>H<sub>96</sub>N<sub>11</sub>O<sub>13</sub>

M.Wt

1275.56

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-carfilzomib 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-carfilzomib 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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