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## Product Data Sheet

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Product Name: MC-Val-Cit-PAB-indibulin  
 Cat. No.: GC36572

**Chemical Properties**

Cas. No. 2055896-95-0

SMILES O=C(C=CC1=O)N1CCCCC(N[C@@H](C(C)C)C(N[C@@H](CCCNC(N)=O)C(NC(C=C2)=CC=C2C[N+]3=CC=C(C=C3)NC(C(C4=CN(CC5=CC=C(CI)C=C5)C6=CC=CC=C46)=O)=O)=O)=O)=O

Formula C<sub>50</sub>H<sub>55</sub>ClN<sub>9</sub>O<sub>8</sub> M.Wt 945.48

Solubility Soluble in DMSO Storage Store at -20°C

General 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-indibulin 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-indibulin 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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