Product Data Sheet

Product Name: MC-Val-Cit-PAB-Auristatin E
Cat. No.: GC36567

Chemical Properties

Cas. No.	2055896-77-8		
SMILES	O[C@@H](C1=CC=CC=C1)[C@@H](C)NC([C@H](C)[C@H]([C@@]2([H])N(CCC2)C(C[C@@H](OC)[C@@]([C@@H](C)CC)([H])N(C)C([C@H](C(C)C)NC([C@H](C(C)C)[N+](C)(C)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)=O)=O)OC)=O		
Formula	$C_{68}H_{108}N_{11}O_{13}$	M.Wt	1287.65
Solubility	Soluble in DMSO	Storage	4°C, sealed storage, away from moisture and light,unstable in solution, ready to use.
General tips	For obtaining a higher solubility , please warm the tube at 37 ℃ and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20℃ 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	MC-Val-Cit-PAB-Auristatin E		

Background

MC-Val-Cit-PAB-Auristatin E 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-Auristatin E 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.

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