Product Data Sheet

Product Name: DM4-SMCC
Cat. No.: GC38479

Chemical Properties

Cas. No.	1228105-52-9		
SMILES	C[C@]12[C@H]([C@@H]([C@](O3)([H])C[C@]([C@](/C=C/C=C(C)/CC4=CC(N(C)C(C[C@]2([H])OC([C@H](C)N(C)C(CCC(C)(C)SC(C5)C(N(CC6CCC(C(ON7C(CCC7=O)=O)=O)CC6)C5=O)=O)=O)=O)=O)=C(C(OC)=C4)Cl)([H])OC)(NC3=O)O)C)O1		
Formula	$C_{54}H_{72}ClN_5O_{16}S$	M.Wt	1114.69
Solubility	Soluble in DMSO	Storage	Store at -20°C
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	DM4-SMCC		

Background

DM4-SMCC is a drug-linker conjugate for ADC with antitumor activity by using DM4 (an antitubulin agent), linked via the non-cleavable SMCC linker[1].

[1]. Singh R, et al. A New Triglycyl Peptide Linker for Antibody-Drug Conjugates (ADCs) with Improved TargetedKilling of Cancer Cells. Mol Cancer Ther. 2016 Jun;15(6):1311-20.

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