Product Data Sheet

Product Name: SPP-DM1
Cat. No.: GC38478

Chemical Properties

Cas. No.	452072-20-7		
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(CCSSC(C)CCC(ON5C(CCC5=O)=O)=O)=O)=O)=O)=C(C(OC)=C4)Cl)([H])OC)(NC3=O)O)C)O1		
Formula	$C_{44}H_{59}ClN_4O_{14}S_2$	M.Wt	967.54
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	SPP-DM1		

Background

SPP-DM1 is a drug-linker conjugate for ADC with potent antitumor activity by using DM1 (a potent microtubule-disrupting agent), linked via the ADC linker SPP[1].

[1]. Manu Lopus et al. Maytansine and Cellular Metabolites of Antibody-Maytansinoid Conjugates Strongly Suppress Microtubule Dynamics by Binding to Microtubules.

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