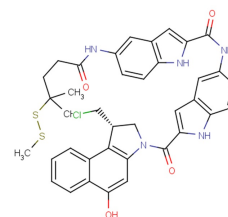


DC41SMe

Chemical Properties

CAS No.:	1354787-71-5
Formula:	C ₃₈ H ₃₆ ClN ₅ O ₄ S ₂
Molecular Weight:	726.31
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	DC41SMe is a DC1 derivative that is cytotoxic to Ramos, Namalwa and HL60 / s with IC ₅₀ s ranging from 18-25 pM. DC1 is a simplified analogue of CC-1065, an antibody conjugate of cytotoxic DNA alkylation molecules, used for targeted treatment of cancer.
Targets(IC ₅₀)	Others: None

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.377 mL	6.884 mL	13.768 mL
5 mM	0.275 mL	1.377 mL	2.754 mL
10 mM	0.138 mL	0.688 mL	1.377 mL
50 mM	0.028 mL	0.138 mL	0.275 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Zhao RY, et al. Synthesis and biological evaluation of antibody conjugates of phosphate prodrugs of cytotoxic DNA alkylators for the targeted treatment of cancer. J Med Chem. 2012 Jan 26;55(2):766-82.
2. Kovtun YV, et al. Antibody-drug conjugates designed to eradicate tumors with homogeneous and heterogeneous expression of the target antigen. Cancer Res. 2006 Mar 15;66(6):3214-21.

Inhibitors · Natural Compounds · Compound Libraries

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