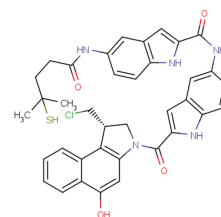


DC41

**Chemical Properties**

CAS No.: 1354787-69-1  
Formula: C<sub>37</sub>H<sub>34</sub>ClN<sub>5</sub>O<sub>4</sub>S  
Molecular Weight: 680.21  
Appearance: N/A  
Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	DC41 is a derivative of DC1. DC1 is a simplified analogue of CC-1065, an antibody conjugate of cytotoxic DNA alkylating agents, used for targeted treatment of cancer.
Targets(IC <sub>50</sub> )	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	1.47 mL	7.351 mL	14.701 mL
5 mM	0.294 mL	1.47 mL	2.94 mL
10 mM	0.147 mL	0.735 mL	1.47 mL
50 mM	0.029 mL	0.147 mL	0.294 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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