

---

**Product Data Sheet**

---

Product Name: DC41-SMe

Cat. No.: GC35818

**Chemical Properties**

Cas. No. 1354787-71-5

SMILES O=C(C(N1)=CC2=C1C=CC(NC(CCC(SSC)(C)C)=O)=C2)NC3=CC4=C(NC(C(N5C[C@@H](CCl)C6=C5C=C(O)C7=CC=CC=C67)=O)=C4)C=C3

Formula C<sub>38</sub>H<sub>36</sub>ClN<sub>5</sub>O<sub>4</sub>S<sub>2</sub> M.Wt 726.31

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C 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 **Background**

DC41-SMe is a DC1 derivative, shows cytotoxicity in Ramos, Namalwa, and HL60/s cells with IC<sub>50</sub>s ranging from 18-25 pM. DC1, a simplified analogue of CC-1065, is an antibody conjugate of cytotoxic DNA alkylators for the targeted treatment of cancer[1][2].

[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.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

---