
Product Data Sheet

Product Name: DC41
 Cat. No.: GC35817

Chemical Properties

Cas. No. 1354787-69-1

SMILES O=C(C(N1)=CC2=C1C=CC(NC(CCC(C)(S)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 C₃₇H₃₄ClN₅O₄S M.Wt 680.21

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 is a DC1 derivative. 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.

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