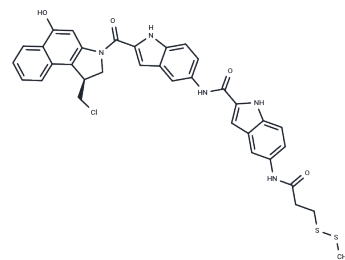


DC1SMe

Chemical Properties

CAS No. : 501666-85-9
 Formula: C35H30ClN5O4S2
 Molecular Weight: 684.23
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	DC1 is an ADC cytotoxin, similar to the small groove-binding DNA alkylating agent CC-1065. DC1 can be used to synthesize antibody-drug conjugates targeted to the treatment of cancer. DC1Sme is a DC1 derivative with IC50 values of Ramos, Namalwa, HL60 / s and COLO 205 cancer cells of 22pm, 10pm, 32pm and 250pm, respectively.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4615 mL	7.3075 mL	14.615 mL
5 mM	0.2923 mL	1.4615 mL	2.923 mL
10 mM	0.1461 mL	0.7307 mL	1.4615 mL
50 mM	0.0292 mL	0.1461 mL	0.2923 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

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.

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