
Product Data Sheet

Product Name: DM3-SMe

Cat. No.: GC38355

Chemical Properties

Cas. No. 796073-70-6

SMILES C[C@]12[C@H]([C@@H]([C@](O3)([H])C[C@]([C@] (/C=C/C=C(C)/CC4=CC(N(C)C(C[C@]2([H])OC([C@H] (C)N(C)C(CCC(C)SSC)=O)=O)=O)=C(C(OC)=C4)Cl)([H])OC)(NC3=O)O)C)O1

Formula C₃₈H₅₄ClN₃O₁₀S₂ M.Wt 812.43

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

DM3-SMe is a maytansine derivative and a tubulin inhibitor, and is a cytotoxic moiety of antibody-drug conjugates (ADCs), which can be linked to antibody through disulfide bond or stable thioether bond. DM3-SMe shows highly cytotoxic activity in vitro with an IC₅₀ of 0.0011 nM[1][2].

[1]. Chen H, et al. Tubulin Inhibitor-Based Antibody-Drug Conjugates for Cancer Therapy. *Molecules*. 2017 Aug 1;22(8). [2]. Yuliang Zhao et al. *Biomedical Nanomaterials*. 2016-Science.

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

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