

Product Data Sheet

Product Name: CL2A-SN-38 (dichloroacetic acid salt)

Cat. No.: GC52469

Chemical Properties

Cas. No.

SMILES O=C1N2C(C(C(C2)=C(C3=C4)CC)=NC3=CC=C4O)=CC5=C1COC([C@@]5(CC)OC(OCC6=CC=C(C=C6)NC([C@H](CCCCN)NC(COCC(NCCOCCOCCOCCOCCOCCOCCOCCOCCOCCN7C=C(N=N7)CNC(C8CCC(CC8)CN9C(C=CC9=O)=O)=O)=O)=O)=O)=O.OCC(C(Cl)Cl)=O

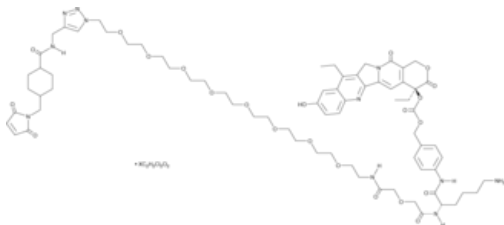
Formula C73H97N11O22 ? XC2H2Cl2O2 M.Wt 1480.6

Solubility Methanol: 10 mg/ml Storage -20°C

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

Shipping Evaluation sample solution : ship with blue ice All other available size: ship with RT , or Condition blue ice upon request.

Structure



Background

CL2A-SN-38 is a cleavable linker-based antibody-drug conjugate (ADC) containing the topoisomerase I inhibitor SN-38 and a maleimidocaproyl linker.¹ CL2A-SN-38 has been linked to tumor-selective humanized antibodies, such as anti-Trop-2 (hRS7), to target SN-38 to tumor sites. CL2A-SN-38 linked to hRS7 is cytotoxic to Calu-3, COLO 205, Capan-1, PC3, SK-MES-1, and BxPC-3 cancer cells (IC₅₀s = 1.95-23.14 nM). CL2A-SN-38 linked to hRS7 reduces tumor growth in BxPC-3 pancreatic and SK-MES-1 lung cancer mouse xenograft models.

1. Cardillo, T.M., Govindan, S.V., Sharkey, R.M., et al. Humanized anti-Trop-2 IgG-SN-38 conjugate for effective treatment of diverse epithelial cancers: Preclinical studies in human cancer xenograft

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

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models and monkeys Clin. Cancer Res. 17(10):3157-3169(2011)

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