

Product Data Sheet

Product Name: MAC glucuronide phenol-linked SN-38
 Cat. No.: GC39401

Chemical Properties

Cas. No. 2246380-69-6

SMILES O=C([C@@H]1[C@@H](O)[C@H](O)[C@@H](O)[C@H](OC2=CC=C(COC(N(COC3=CC=C4N=C5C(CN6C(C(COC([C@@]7(CC)O)=O)=C7C=C65)=O)=C(CC)C4=C3)CCS(=O)(C)=O)=O)C=C2NC(CN(C)C(CCN8C(C=CC8=O)=O)=O)=O)O1)O

Formula C₅₀H₅₄N₆O₂₀S

M.Wt 1091.06

Solubility DMSO: 200 mg/mL (183.31 mM)

Storage Store at -20°C

General For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a tips 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

MAC glucuronide phenol-linked SN-38 is a pH-susceptible lactone MAC glucuronide phenol-linked SN-38 (DNA topoisomerase I inhibitor) drug linker. MAC glucuronide phenol-linked SN-38 is cytotoxic across L540cy cells and Ramos cells with IC50 values of 113 and 67 ng/mL, respectively[1].

[1]. Lau UY, et al. Lactone Stabilization is Not a Necessary Feature for Antibody Conjugates of Camptothecins. Mol Pharm. 2018 Sep 4;15(9):4063-4072.

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