
Product Data Sheet

Product Name: Tubulysin

Cat. No.: GC37835

Chemical Properties

Cas. No. 1943604-24-7

SMILES O=C(O)[C@@H](C)C[C@@H](NC(C1=CSC([C@H](OC(C)=O)C[C@@H](N(COC(CC(C)C)=O)C([C@@H](NC([C@@H]2N(C)CCCC2)=O)[C@@H](C)CC)=O)C(C)C)=N1)=O)CC3=CC=C(C)C=C3

Formula C₄₄H₆₇N₅O₉S M.Wt 842.1

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**

Tubulysin family of secondary metabolites are originally isolated from the myxobacteria *Archangium geophyra* and *Angiococcus disciformis*. These compounds are potent microtubule destabilizing agents with IC₅₀ values in the picomolar range against many cancer cell lines, including those with multidrug resistant properties. Tubulysins have limited therapeutic utility due to severe toxicity, so Tubulysins are ideal candidates to be incorporated into molecule drug conjugate (SMDC) delivery system[1].

[1]. Leamon CP, et al. Prostate-Specific Membrane Antigen-Specific Antitumor Activity of a Self-Immolative Tubulysin Conjugate. *Bioconjug Chem.* 2019 Jun 19;30(6):1805-1813.

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
