
Product Data Sheet

Product Name: Gly-7-MAD-MDCPT

Cat. No.: GC65871

Chemical Properties

Cas. No. 2378427-68-8

Formula $C_{24}H_{22}N_4O_7$ M.Wt 478.45Solubility Storage Store at $-20^{\circ}C$

General tips For obtaining a higher solubility, please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ 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**

Gly-7-MAD-MDCPT (compound 4b) is an anticancer agent. Gly-7-MAD-MDCPT is a Camptothecin compound, it shows cytotoxicity to various cancer cells with **IC₅₀** values of 10-1000 nM^[1].

Gly-7-MAD-MDCPT (0.1-1000 nM) shows cytotoxic potency to 786-0, BxPC3, HL-60 and SK-MEL-5 with IC₅₀ values of 100-1000 nM^[1].

Gly-7-MAD-MDCPT (0.1-1000 nM) shows cytotoxic potency to L540cy, MM.1R, M0LM13, Ramos, SK-MEL-5, SU-DHL-4 and U266 with IC₅₀ values of 10-100 nM^[1].

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

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