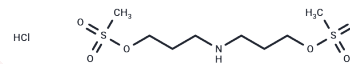


Yoshi-864

Chemical Properties

CAS No. : 3458-22-8
 Formula: C₈H₂₀ClNO₆S₂
 Molecular Weight: 325.83
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.



Biological Description

Description	Yoshi-864 alkylates and cross-links DNA, thereby inhibiting DNA replication. It is an alkyl sulfonate DNA cross-linking agent with potential anti-cancer activity.
Targets(IC50)	Others,DNA/RNA Synthesis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0691 mL	15.3454 mL	30.6909 mL
5 mM	0.6138 mL	3.0691 mL	6.1382 mL
10 mM	0.3069 mL	1.5345 mL	3.0691 mL
50 mM	0.0614 mL	0.3069 mL	0.6138 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Douglass HO Jr, MacIntyre JM, Kaufman J, Von Hoff D, Engstrom PF, Klaassen D. Eastern Cooperative Oncology Group phase II studies in advanced measurable colorectal cancer. I. Razoxane, Yoshi-864, piperazinedione, and lomustine. *Cancer Treat Rep.* 1985 May;69(5):543-5. PubMed PMID: 2988774.
- Slavik M, Muss H, Blessing JA. Phase II clinical study of Yoshi 864 in squamous cell carcinoma of the uterine cervix. *Cancer Treat Rep.* 1983 Feb;67(2):195-6. PubMed PMID: 6297730.
- Altman SJ, Stephens RL, Bonnet JD. Yoshi 864 plus medroxyprogesterone acetate in adenocarcinoma of the kidney: A Southwest Oncology Group Study. *Cancer Treat Rep.* 1982 Sep;66(9):1781-2. PubMed PMID: 6288240.
- Slavik M, Muss H, Blessing JA, Delgado G. Phase II clinical study of Yoshi 864 in epithelial ovarian carcinoma: A Gynecologic Oncology Group Study. *Cancer Treat Rep.* 1982 Sep;66(9):1775-7. PubMed PMID: 6288239.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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