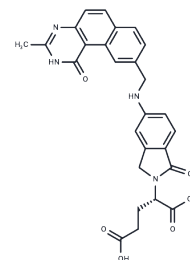


OSI-7904L free acid

Chemical Properties

CAS No. :	139987-54-5
Formula:	C ₂₇ H ₂₄ N ₄ O ₆
Molecular Weight:	500.5
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	OSI-7904L is a folate-based thymidylate synthase inhibitor. It also has antimalarial and antitumor properties.
Targets(IC50)	Others,Antifolate,DNA/RNA Synthesis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.998 mL	9.990 mL	19.980 mL
5 mM	0.3996 mL	1.998 mL	3.996 mL
10 mM	0.1998 mL	0.999 mL	1.998 mL
50 mM	0.040 mL	0.1998 mL	0.3996 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

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Hanlon MH, Ferone R. In vitro uptake, anabolism, and cellular retention of 1843U89 and other benzoquinazoline inhibitors of thymidylate synthase. *Cancer Res.* 1996 Jul 15;56(14):3301-6. PubMed PMID: 8764125.

Wilson RH. Novel therapeutic developments other than EGFR and VEGF inhibition in colorectal cancer. *Oncologist.* 2006 Oct;11(9):1018-24. Review. PubMed PMID: 17030644.

Li WW, Tong WP, Bertino JR. Antitumor activity of antifolate inhibitors of thymidylate and purine synthesis in human soft tissue sarcoma cell lines with intrinsic resistance to methotrexate. *Clin Cancer Res.* 1995 Jun;1(6):631-6. PubMed PMID: 9816025.

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