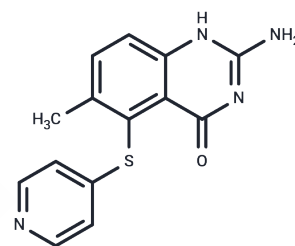


Nolatrexed

Chemical Properties

CAS No. :	147149-76-6
Formula:	C ₁₄ H ₁₂ N ₄ O ₅
Molecular Weight:	284.34
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	Nolatrexed is a thymidylate synthase inhibitor with potential anticancer activity.
Targets(IC50)	Antifolate, DNA/RNA Synthesis

Solubility Information

Solubility	DMSO: 11 mg/mL (38.69 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5169 mL	17.5846 mL	35.1692 mL
5 mM	0.7034 mL	3.5169 mL	7.0338 mL
10 mM	0.3517 mL	1.7585 mL	3.5169 mL
50 mM	0.0703 mL	0.3517 mL	0.7034 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

Zheng J, et al. Metastatic nasopharyngeal carcinoma outcomes in patients on cisplatin with nolatrexed or 5-fluorouracil. *Oncol Res Treat.* 2014;37(10):540-4. doi: 10.1159/000368107. Epub 2014 Sep 16. PubMed PMID: 25342504.

Tian SB, et al. Effects of RNA interference and nolatrexed on thymidylate synthase expression and cell proliferation of human colorectal carcinoma LOVO cells. *Zhonghua Wei Chang Wai Ke Za Zhi.* 2012 Nov;15(11):1187-91. Chinese. PubMed PMID: 23172536.

Wang GF, et al. Measurement of plasma concentration and bioavailability of nolatrexed dihydrochloride in mice. *Nan Fang Yi Ke Da Xue Xue Bao.* 2008 Nov;28(11):11993-5. Chinese. PubMed PMID: 19033111.

Chen SZ, et al. Preparation of long-circulating nolatrexed dihydrochloride liposomes and its antitumor activity. *Nan Fang Yi Ke Da Xue Xue Bao.* 2008 Mar;28(3):403-5. Chinese. PubMed PMID: 18359701.

Gish RG, et al. Phase III randomized controlled trial comparing the survival of patients with unresectable hepatocellular carcinoma treated with nolatrexed or doxorubicin. *J Clin Oncol.* 2007 Jul 20;25(21):3069-75. PubMed PMID: 17634485.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481